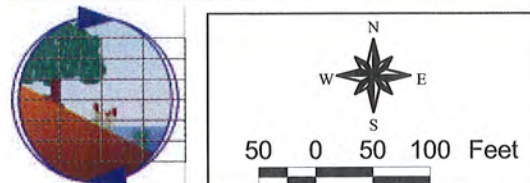
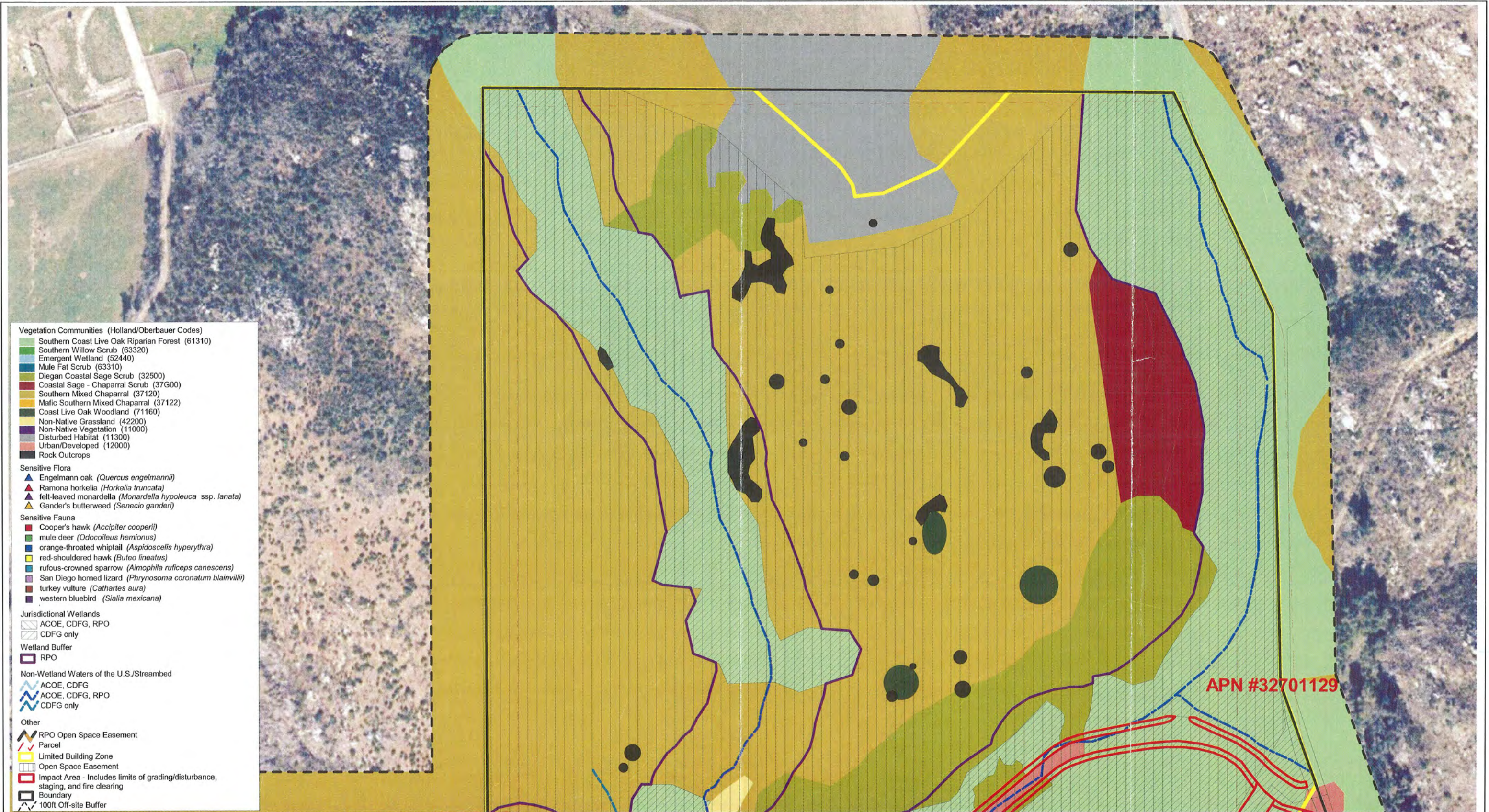


**Biological Resources Map**  
Salvation Army Divisional Camp and Retreat Alternative 1

**Figure 2b**  
**Sheet 11**

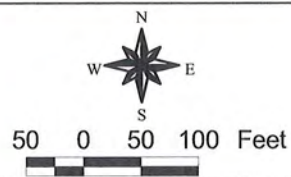
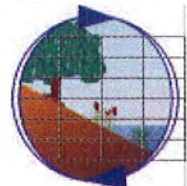
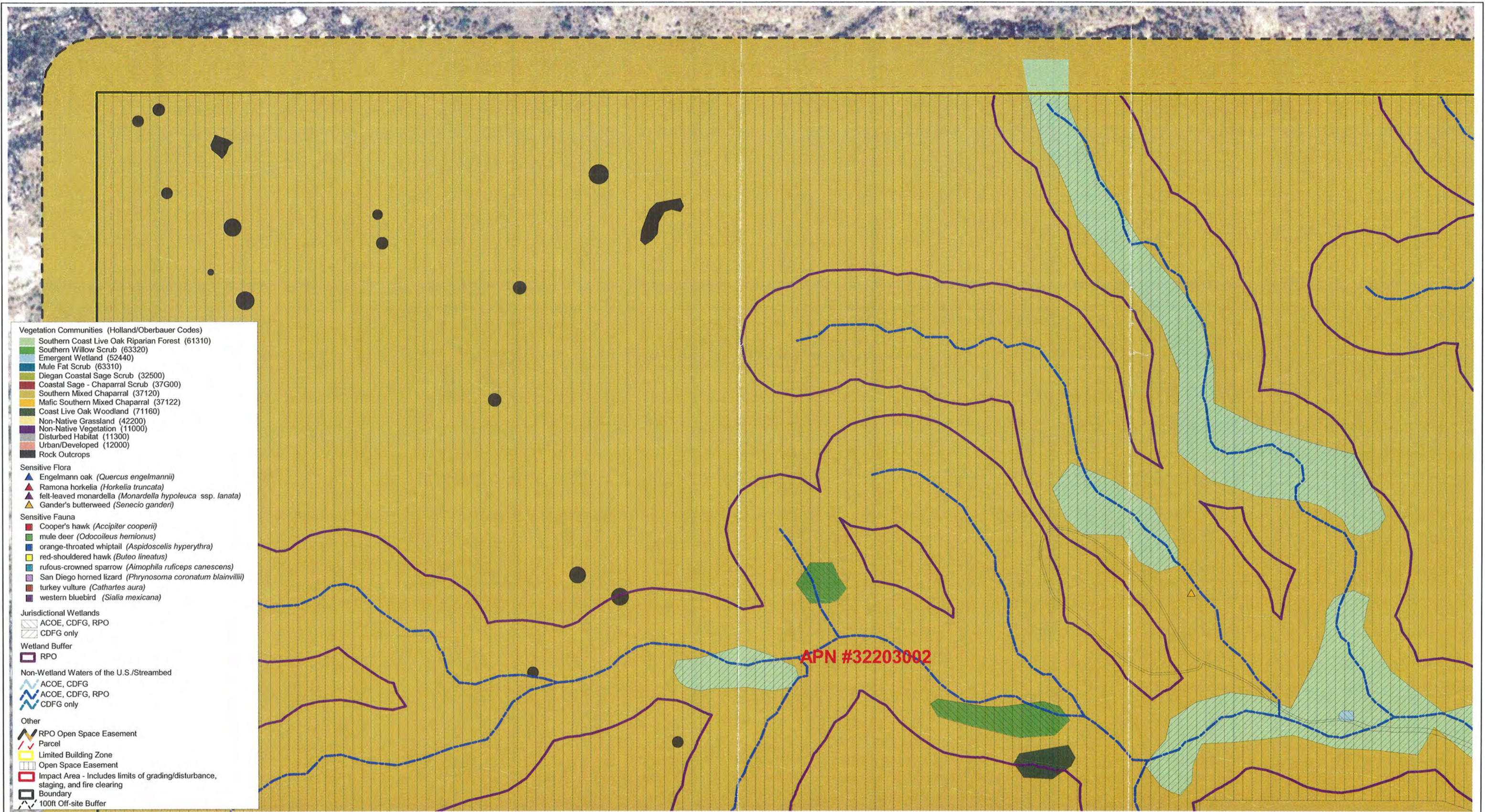




**Biological Resources Map**  
Salvation Army Divisional Camp and Retreat Alternative 2

**Figure 2c**  
**Sheet 1**

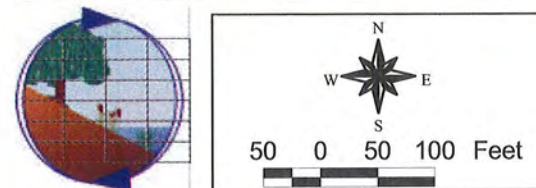




**Biological Resources Map**  
Salvation Army Divisional Camp and Retreat Alternative 2

**Figure 2c**  
**Sheet 2**

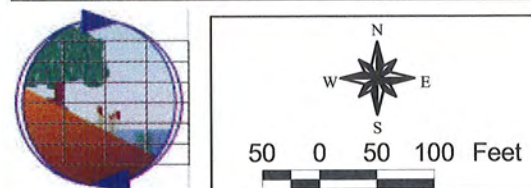
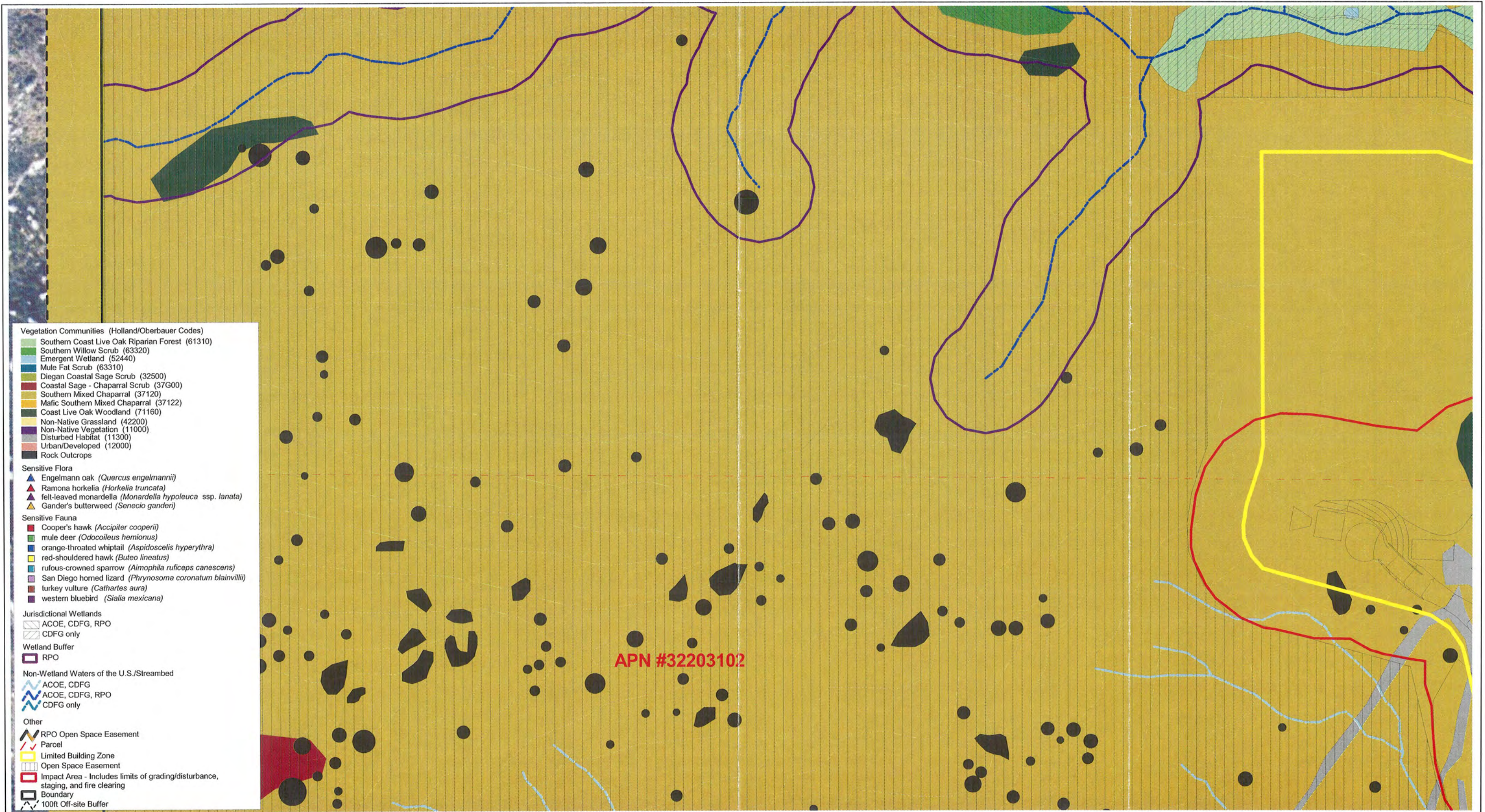




**Biological Resources Map**  
Salvation Army Divisional Camp and Retreat Alternative 2

**Figure 2c**  
**Sheet 3**

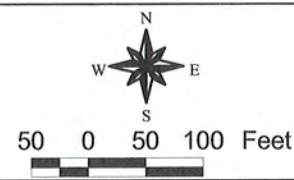
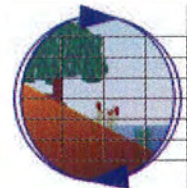
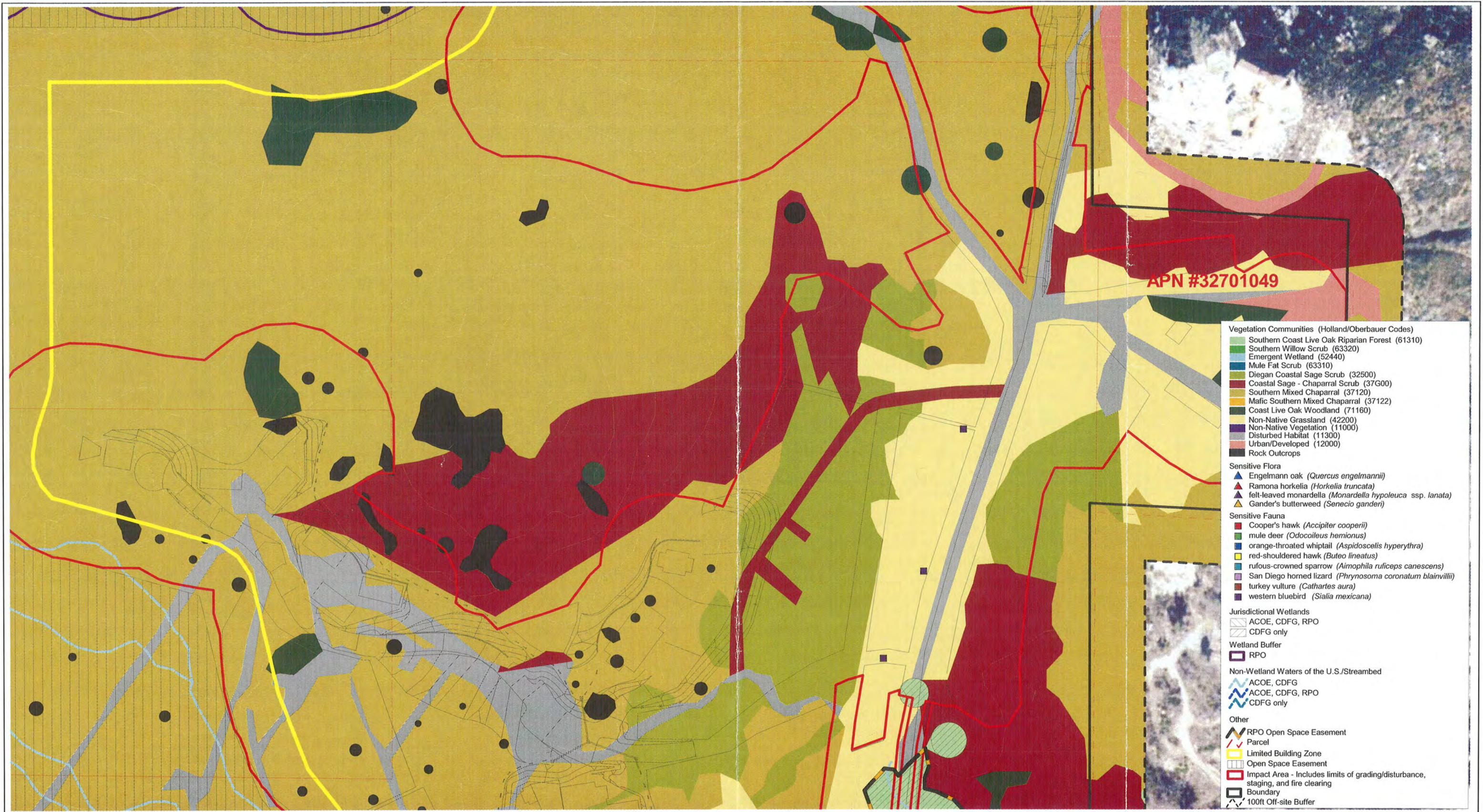




**Biological Resources Map**  
Salvation Army Divisional Camp and Retreat Alternative 2

**Figure 2c**  
**Sheet 4**

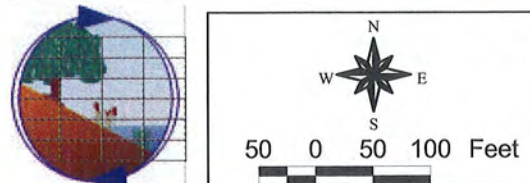
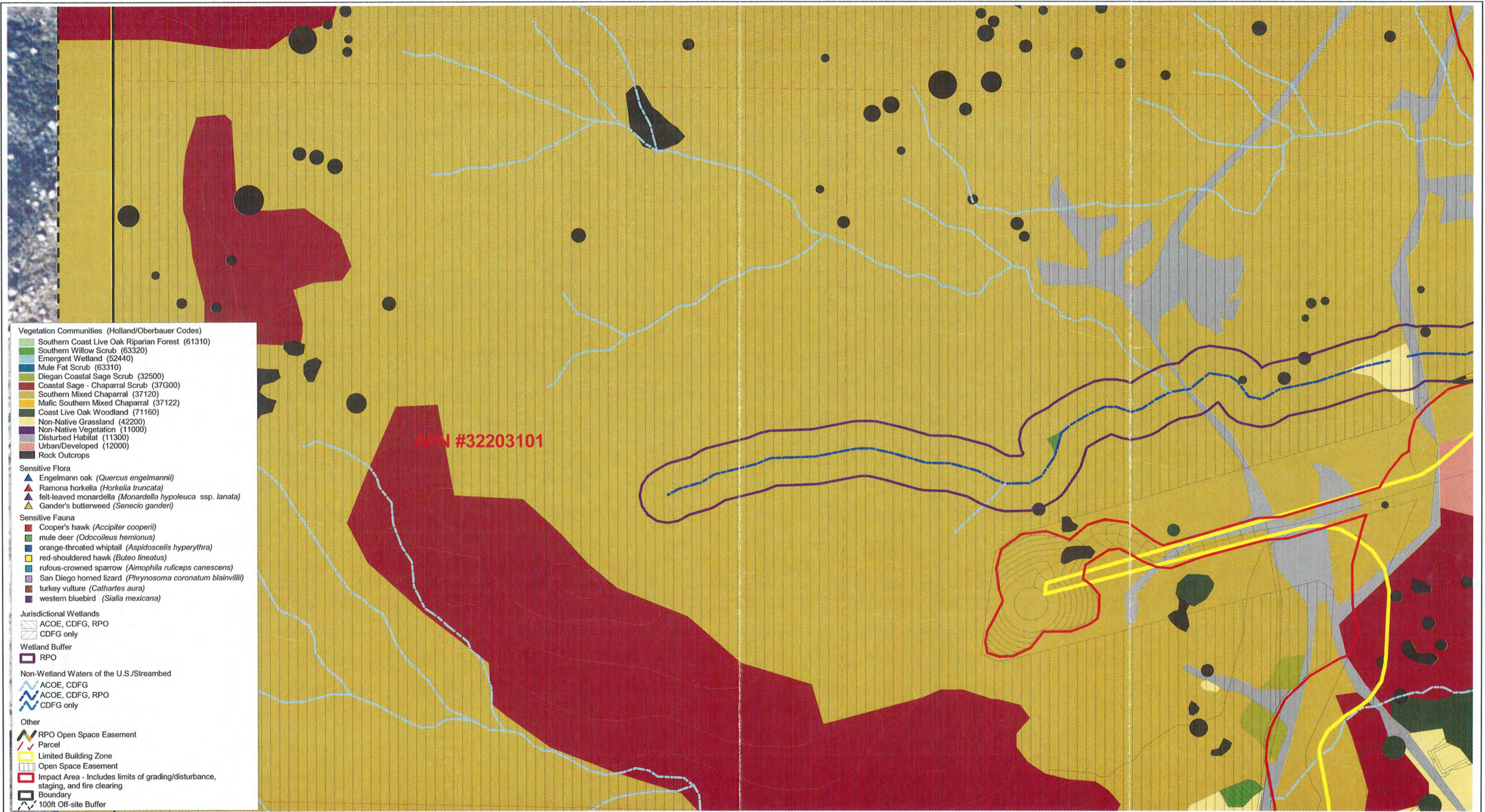




**Biological Resources Map**  
Salvation Army Divisional Camp and Retreat Alternative 2

**Figure 2c**  
**Sheet 5**

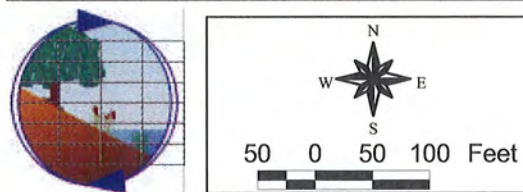
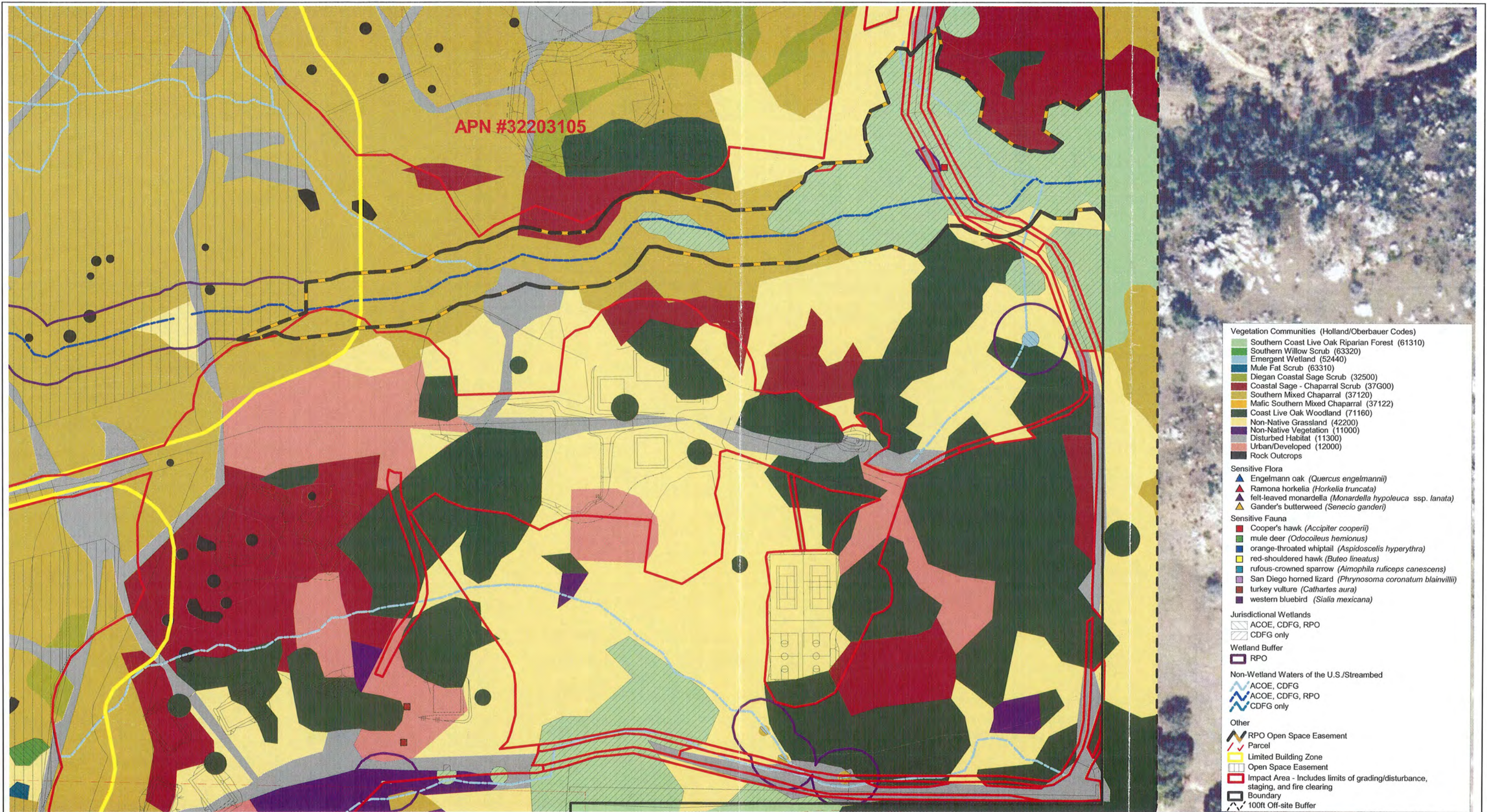




**Biological Resources Map**  
Salvation Army Divisional Camp and Retreat Alternative 2

**Figure 2c**  
**Sheet 6**

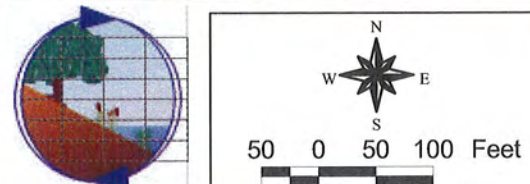




**Biological Resources Map**  
Salvation Army Divisional Camp and Retreat Alternative 2

**Figure 2c**  
**Sheet 7**

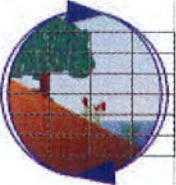
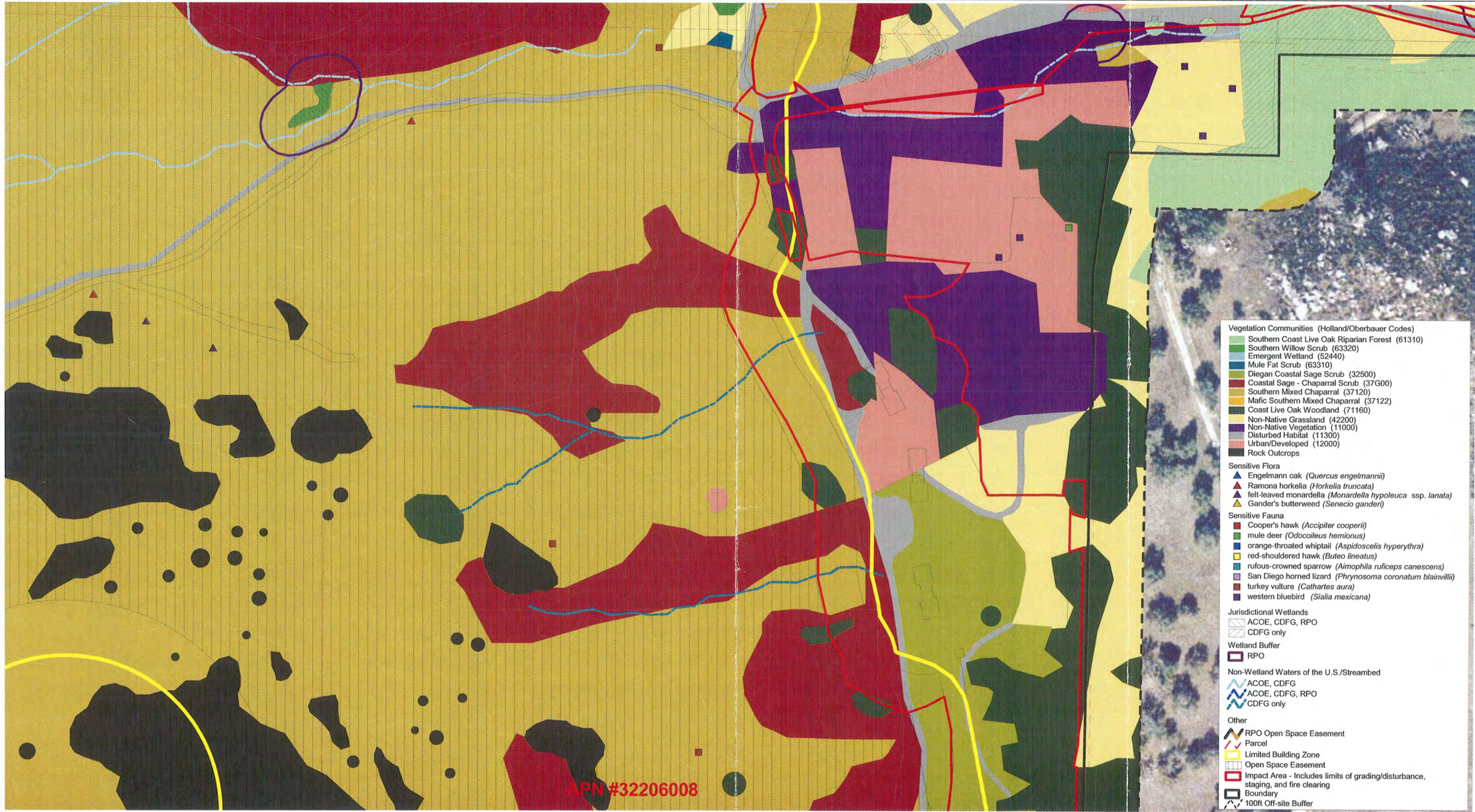




**Biological Resources Map**  
Salvation Army Divisional Camp and Retreat Alternative 2

**Figure 2c**  
**Sheet 8**

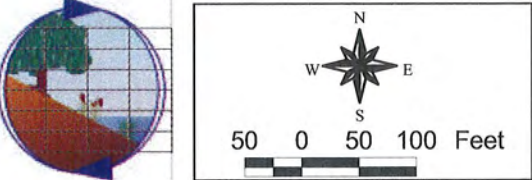




Biological Resources Map  
Salvation Army Divisional Camp and Retreat Alternative 2

Figure 2c  
Sheet 9

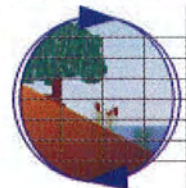
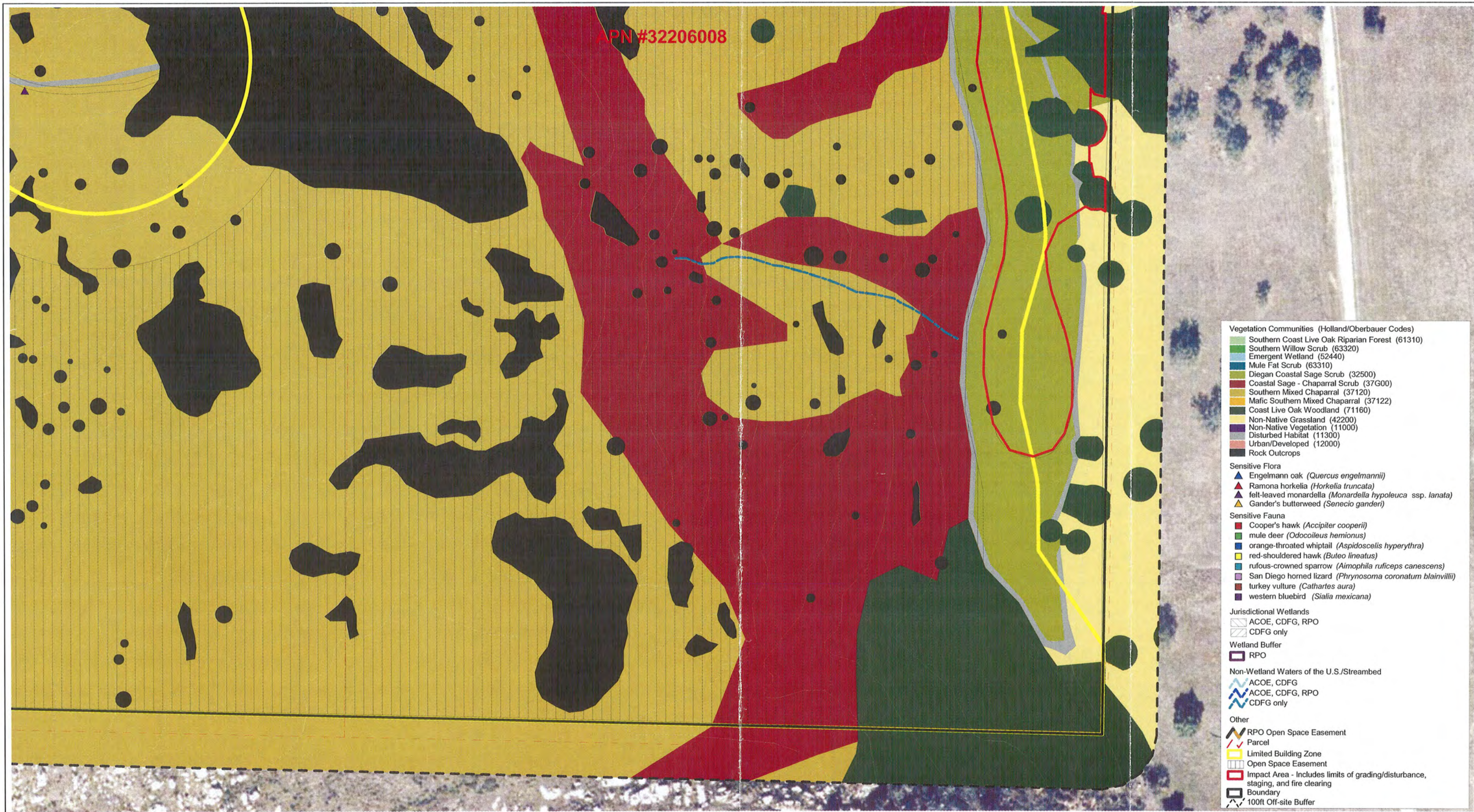




**Biological Resources Map**  
Salvation Army Divisional Camp and Retreat Alternative 2

**Figure 2c**  
**Sheet 10**





**Biological Resources Map**  
Salvation Army Divisional Camp and Retreat Alternative 2

**Figure 2c**  
**Sheet 11**



## **Appendix 1**

### **Floral Checklist of Species Observed**



## APPENDIX 1. FLORAL CHECKLIST OF SPECIES OBSERVED

### Habitat Types:

C= Southern Mixed Chaparral (incl. Mafic)  
G= Non-native Grassland  
W= Riparian Scrub

D= Diegan Coastal Sage Scrub  
Q= Oak Woodland  
X= Disturbed Lands

Scientific Name	Common Name	Habitat
<b>CRYPTOGAMS</b>		
<b>Dryopteridaceae - Wood Fern Family</b>		
<i>Dryopteris arguta</i>	Coastal Woodfern	C
<b>Polypodiaceae - Polypody Family</b>		
<i>Polypodium californicum</i>	California Polypody	C
<b>Pteridaceae - Brake Family</b>		
<i>Adiantum jordanii</i>	California Maiden-hair	C
<i>Aspidotis californica</i>	California Lace Fern	C
<i>Cheilanthes clevelandii</i>	Cleveland's Lipfern	C
<i>Cheilanthes newberryi</i>	California Cottonfern	C
<i>Pellaea andromedifolia</i>	Coffee Fern	C
<i>Pellaea mucronata</i> var. <i>mucronata</i>	Bird's-foot Fern	C
<i>Pentagramma triangularis</i> ssp. <i>triangularis</i>	California Goldenback Fern	C
<i>Pentagramma triangularis</i> ssp. <i>viscosa</i>	Silverback Fern	C
<b>Selaginellaceae - Spike-Moss Family</b>		
<i>Selaginella bigelovii</i>	Bigelow's Mossfern	C
<i>Selaginella cinerascens</i>	Ashy Spike-moss	C
<b>GYMNOSPERMS</b>		
<b>Cupressaceae - Cypress Family</b>		
* <i>Cupressus</i> sp.	(planted)	X
* <i>Juniperus californica</i>	California Juniper	X
* <i>Calocedrus decurrens</i>	California Incensecedar	X
<b>Pinaceae - Pine Family</b>		
* <i>Pinus</i> sp.	Pine	X



Scientific Name	Common Name	Habitat
<b>Texaceae – Yew Family</b>		
* <i>Taxus</i> sp.	Yew	X
<b>DICOTYLEDONS</b>		
<b>Aizoaceae - Carpet-weed Family</b>		
* <i>Carpobrotus edulis</i>	Hottentot-Fig	X
<b>Anacardiaceae - Sumac Family</b>		
<i>Malosma laurina</i>	Laurel Sumac	C,D
<i>Rhus ovata</i>	Sugar Bush	C
<i>Rhus trilobata</i>	Skunkbrush	C
* <i>Schinus molle</i>	Peruvian Pepper Tree	X
<i>Toxicodendron diversilobum</i>	Western Poison Oak	C,Q,W
<b>Apiaceae - Carrot Family</b>		
<i>Apiastrum angustifolium</i>	Mock Parsley	C
* <i>Apium graveolens</i>	Celery	X
<i>Bowlesia incana</i>	American Bowlesia	C
<i>Daucus pusillus</i>	Rattlesnake Weed	C
* <i>Foeniculum vulgare</i>	Fennel	X
<i>Lomatium dasycarpum</i> ssp. <i>dasycarpum</i>	Woolly-fruit Lomatium	C
<i>Sanicula crassicaulis</i>	Pacific Sanicle	C
<i>Tauschia arguta</i>	Southern Tauschia	C
<b>Apocynaceae - Dogbane Family</b>		
* <i>Vinca major</i>	Greater Periwinkle	X
<b>Asclepiadaceae - Milkweed Family</b>		
<i>Asclepias fascicularis</i>	Narrow-leaf Milkweed	Q
<b>Asteraceae - Sunflower Family</b>		
<i>Acourtia microcephala</i>	Sacapellote, Purpleheads	C
<i>Ambrosia psilostachya</i>	Western Ragweed	G
<i>Artemisia californica</i>	California Sagebrush	D
<i>Artemisia douglasiana</i>	Mugwort	
<i>Baccharis pilularis</i>	Coyote Brush	C
<i>Baccharis salicifolia</i>	Mule Fat	W
<i>Brickellia californica</i>	California Brickellbush	C
* <i>Carduus pycnocephalus</i>	Italian Thistle	X
* <i>Centaurea melitensis</i>	Tocalote	X
<i>Chaenactis artemisiaefolia</i>	Artemisia Pincushion	C
<i>Cirsium occidentale</i> var. <i>californicum</i>	California Thistle	C
* <i>Cirsium vulgare</i>	Bull Thistle	X
* <i>Cotula australis</i>	Australian Brass-buttons	G



Scientific Name	Common Name	Habitat
<i>Encelia californica</i>	California Encelia	D
<i>Erigeron foliosus</i> var. <i>foliosus</i>	Leafy Daisy	C
<i>Eriophyllum confertiflorum</i> var. <i>confertiflorum</i>	Golden-yarrow	C
<i>Filago californica</i>	California Filago	C
<i>Gnaphalium bicolor</i>	Bicolor Cudweed	C
<i>Gnaphalium californicum</i>	California Everlasting	C
<i>Gnaphalium canescens</i> ssp. <i>microcephalum</i>	White Everlasting	C
<i>Gnaphalium luteo-album</i>	Cudweed	X
<i>Gutierrezia sarothrae</i>	Matchweed	C
<i>Hazardia squarrosa</i> ssp. <i>grindelioides</i>	Saw-toothed Goldenbush	C
* <i>Hedypnois cretica</i>	Crete Hedypnois	X
<i>Helianthus gracilentus</i>	Slender Sunflower	C
<i>Hemizonia fasciculata</i>	Fascicled Tarplant	C,D
<i>Heterotheca grandiflora</i>	Telegraph Weed	X
* <i>Hypochoeris glabra</i>	Smooth Cat's-ear	C
<i>Isocoma menziesii</i> var. <i>menziesii</i>	Goldenbush	D
* <i>Lactuca serriola</i>	Wild Lettuce	X
<i>Lasthenia californica</i>	Common Goldfields	C
<i>Lessingia filaginifolia</i> var. <i>filaginifolia</i>	Cudweed Aster	C,D
<i>Madia sativa</i>	Coast Tarweed	C
* <i>Picris echioides</i>	Bristly Ox-tongue	W
<i>Porophyllum gracile</i>	Odora	C
<i>Rafinesquia californica</i>	California Chicory	C
<i>Senecio ganderi</i>	Gander's Butterweed	C
* <i>Senecio vulgaris</i>	Common Groundsel	X
* <i>Silybum marianum</i>	Milk-thistle	X
<i>Solidago californica</i>	California Goldenrod	Q
* <i>Sonchus asper</i>	Prickly Sow Thistle	X
* <i>Sonchus oleraceus</i>	Common Sow Thistle	X
<i>Stephanomeria diegensis</i>	San Diego Wreath-Plant	C
<i>Stylocline gnaphalioides</i>	Everlasting Nest Straw	C
<i>Uropappus lindleyi</i>	Silver Puffs	C
<b>Boraginaceae - Borage Family</b>		
<i>Amsinckia menziesii</i> var. <i>intermedia</i>	Rancher's Fireweed	G,C
<i>Cryptantha intermedia</i>	Nievtas, Cryptantha	C
<i>Cryptantha micromeres</i>	Minute-flower Cryptantha	C
<i>Pectocarya linearis</i> ssp. <i>ferocula</i>	Slender Pectocarya	C
<i>Pectocarya penicillata</i>	Winged Pectocarya	C
<i>Plagiobothrys collinus ursinus</i>	California Popcornflower	C
<i>Plagiobothrys tellenus</i>	Gray Popcornflower	C
<b>Brassicaceae - Mustard Family</b>		
* <i>Brassica nigra</i>	Black Mustard	X
<i>Cardamine californica</i>	Milk Maids	C
<i>Guillenia lasiophylla</i>	California Mustard	C



Scientific Name	Common Name	Habitat
<i>*Hirschfeldia incana</i>	Short-pod Mustard	G,X
<i>*Raphanus raphanistrum</i>	Jointed Charlock	X
<i>*Raphanus sativus</i>	Radish	X
<i>*Rorippa nasturtium-officinale</i>	Water Cress	W
<i>Thysanocarpus curvipes</i>	Hairy Lacepod	C
<b>Cactaceae - Cactus Family</b>		
<i>*Opuntia ficus-indica</i>	Indian-fig	X
<i>Opuntia littoralis</i>	Coast Prickly-pear	C
<b>Campanulaceae - Bellflower Family</b>		
<i>Heterocodon rariflorum</i>	Heterocodon	C
<b>Caprifoliaceae - Honeysuckle Family</b>		
<i>Lonicera subspicata</i> var. <i>denudata</i>	San Diego Honeysuckle	C
<i>Lonicera</i> sp.	Honeysuckle	X
<i>Sambucus mexicana</i>	Blue Elderberry	C
<i>Symphoricarpos mollis</i>	Creeping Snowberry	Q
<b>Caryophyllaceae - Pink Family</b>		
<i>*Cerastium glomeratum</i>	Mouse-ear Chickweed	C
<i>*Silene gallica</i>	Common Catchfly	C
<i>*Stellaria media</i>	Common Chickweed	C,Q
<b>Cistaceae - Rock-Rose Family</b>		
<i>*Cistus incanus</i>	Purple Rock-rose	X
<i>Helianthemum scoparium</i>	Peak Rush-rose	C
<b>Convolvulaceae - Morning-Glory Family</b>		
<i>Calystegia macrostegia</i>	Finger-leaf Morning-glory	C
<b>Crassulaceae - Stonecrop Family</b>		
<i>*Aeonium atropurpurea</i> .	Aeonium	X
<i>*Aeonium haworthii</i>	Aeonium	X
<i>*Catyledon orbiculata</i>	Cotyledon	X
<i>Crassula argentea</i>	Jade Plant	X
<i>Crassula connata</i>	Dwarf Stonecrop	C
<i>*Crassula tetragonoides</i>	Crassula	X
<i>Dudleya edulis</i>	Ladies-fingers	C
<i>Dudleya pulverulenta</i>	Chalk-lettuce	C
<b>Cucurbitaceae - Gourd Family</b>		
<i>Marah macrocarpus</i> var. <i>macrocarpus</i>	Manroot, Wild-Cucumber	C



Scientific Name	Common Name	Habitat
<b>Cuscutaceae - Dodder Family</b>		
<i>Cuscuta californica</i> var. <i>californica</i>	Witch's Hair	C,D
<i>Cuscuta subinclusa</i>	Canyon Dodder	C
<b>Ericaceae - Heath Family</b>		
<i>Arctostaphylos glandulosa</i> ssp. <i>zacaensis</i>	Eastwood Manzanita	C
<i>Arctostaphylos glauca</i>	Big-berry Manzanita	C
<i>Xylococcus bicolor</i>	Mission Manzanita	C
<b>Euphorbiaceae - Spurge Family</b>		
<i>Chamaesyce polycarpa</i>	Small-seed Sandmat	C
<i>Eremocarpus setigerus</i>	Doveweed	G
<b>Fabaceae - Pea Family</b>		
<i>Lathyrus vestitus</i> ssp. <i>alefeldii</i>	San Diego Sweetpea	C
<i>Lotus argophyllus</i> var. <i>argophyllus</i>	Silver-leaf Lotus	C
<i>Lotus hamatus</i>	Grab Lotus	C
<i>Lotus purshianus</i>	Spanish-clover	G
<i>Lotus scoparius</i> ssp. <i>brevialatus</i>	Deerweed	C,D
<i>Lotus strigosus</i>	Bishop's Lotus	C
<i>Lupinus bicolor</i>	Miniature Lupine	C
<i>Lupinus hirsutissimus</i>	Stinging Lupine	C
<i>Lupinus sparsiflorus</i>	Coulter's Lupine	C
<i>Lupinus truncatus</i>	Collar Lupine	C
* <i>Medicago polymorpha</i>	California Burclover	X
<i>Trifolium microcephalum</i>	Maiden Clover	C
<i>Trifolium willdenovii</i>	Valley Clover	C
<i>Vicia ludoviciana</i> var. <i>ludoviciana</i>	Deerpea Vetch	C
* <i>Vicia villosa</i>	Winter Vetch, Hairy Vetch	X
<b>Fagaceae - Oak Family</b>		
<i>Quercus agrifolia</i>	Coast Live Oak	Q
<i>Quercus berberidifolia</i>	Scrub Oak	C
<i>Quercus chrysolepis</i>	Canyon Live Oak, Maul Oak	Q
<i>Quercus engelmannii</i>	Engelmann Oak	Q
<b>Gentianaceae - Gentian Family</b>		
<i>Centaurium venustum</i>	Canchalagua	C
<b>Geraniaceae - Geranium Family</b>		
* <i>Erodium brachycarpum</i>	Short-beak Filaree	X
* <i>Erodium cicutarium</i>	Red-stem Filaree	X
<i>Geranium carolinianum</i>	Carolina Geranium	Q
<b>Grossulariaceae - Currant Family</b>		
<i>Ribes indecorum</i>	White Flowering Currant	C



Scientific Name	Common Name	Habitat
<b>Hydrophyllaceae - Waterleaf Family</b>		
<i>Eriodictyon crassifolium</i> var. <i>crassifolium</i>	Thick-leaved Yerba Santa	C
<i>Eucrypta chrysanthemifolia</i> var. <i>chrysanthemifolia</i>	Eucrypta	C
<i>Nemophila menziesii</i> var. <i>integrifolia</i>	Baby Blue Eyes	C
<i>Phacelia cicutaria</i> var. <i>hispida</i>	Caterpillar Phacelia	C
<i>Phacelia parryi</i>	Parry's Phacelia	C
<i>Phacelia ramosissima</i> var. <i>latifolia</i>	Caterpillar Phacelia	C
<b>Lamiaceae - Mint Family</b>		
* <i>Marrubium vulgare</i>	Horehound	X
<i>Monardella hypoleuca</i> ssp. <i>lanata</i>	Felt-leaved Monardella	C
<i>Salvia apiana</i>	White Sage	C,D
<i>Salvia clevelandii</i>	Fragrant Sage	C
<i>Salvia columbariae</i>	Chia	C
<i>Salvia mellifera</i>	Black Sage	C
<i>Scutellaria tuberosa</i>	Danny's Skullcap	C
<i>Stachys ajugoides</i> var. <i>rigida</i>	Hedge Nettle	W
<b>Lythraceae – Loosestrife Family</b>		
<i>Lythrum hyssupifolia</i>	Grays Poly	
<b>Malvaceae - Mallow Family</b>		
<i>Malacothamnus densiflorus</i>	Many-flowered Bush Mallow	C
<i>Malacothamnus fasciculatus</i>	Mesa Bush Mallow Mallow	D
* <i>Malva parviflora</i>	Cheeseweed, Little Mallow	X
<i>Sidalcea malvaeflora</i> ssp. <i>sparsifolia</i>	Checker-bloom	C
<b>Myrtaceae - Myrtle Family</b>		
* <i>Eucalyptus</i> sp.	Eucalyptus	X
<b>Nyctaginaceae - Four-O'Clock Family</b>		
<i>Mirabilis californica</i>	California Wishbone Plant	X
<b>Oleaceae - Olive Family</b>		
* <i>Olea europea</i>	Mission Olive	X
<b>Onagraceae - Evening-Primrose Family</b>		
<i>Camissonia bistorta</i>	California Sun Cup	C
<i>Camissonia hirtella</i>	Field Sun-cup	C
<i>Clarkia epilobioides</i>	Canyon Godetia	C
<i>Clarkia purpurea</i> ssp. <i>viminea</i>	Large Clarkia	C
<i>Epilobium canum</i> ssp. <i>canum</i>	California Fuchsia	W
<i>Epilobium ciliatum</i> ssp. <i>ciliatum</i>	Willow Herb	W
<b>Oxalidaceae - Wood-Sorrel Family</b>		
* <i>Oxalis corniculata</i>	Yellow Wood-sorrel	Q



Scientific Name	Common Name	Habitat
<i>*Oxalis pes-caprae</i>	Bermuda-buttercup	X
<b>Paeoniaceae - Peony Family</b>		
<i>Paeonia californica</i>	California Peony	C
<b>Papaveraceae - Poppy Family</b>		
<i>Dendromecon rigida</i>	Bush Poppy	C
<i>Eschscholzia californica</i>	California Poppy	C
<b>Platanaceae - Sycamore Family</b>		
<i>Platanus racemosa</i>	Western Sycamore	W
<b>Polemoniaceae - Phlox Family</b>		
<i>Allophyllum gilioides</i> ssp. <i>gilioides</i>	Straggling False-gilia	C
<i>Eriastrum sapphirinum</i>	Sapphire Woolly-star	C
<i>Gilia angelensis</i>	Grassland Gilia	C
<i>Navarretia hamata</i> ssp. <i>hamata</i>	Hooked Skunkweed	C
<b>Polygonaceae - Buckwheat Family</b>		
<i>Chorizanthe fimbriata</i> var. <i>fimbriata</i>	Fringed Spineflower	C
<i>Eriogonum fasciculatum</i> var. <i>foliolosum</i>	Interior Flat-top Buckwheat	C,D
<i>Pterostegia drymarioides</i>	Granny's Hairnet	C
<i>*Rumex crispus</i>	Curly Dock	W
<i>Rumex salicifolius</i> var. <i>salicifolius</i>	Willow Dock	X
<b>Portulacaceae - Purslane Family</b>		
<i>Claytonia parviflora</i> ssp. <i>parviflora</i>	Narrow-leaf Miner's-lettuce	C
<i>Claytonia perfoliata</i>	Miner's-lettuce	C
<b>Primulaceae - Primrose Family</b>		
<i>*Anagallis arvensis</i>	Scarlet Pimpernel	X
<i>Dodecatheon clevelandii</i> ssp. <i>clevelandii</i>	Padre's Shooting Star	C
<b>Ranunculaceae - Crowfoot Family</b>		
<i>Clematis pauciflora</i>	Ropevine	C
<i>Delphinium cardinale</i>	Scarlet Larkspur	C
<i>Delphinium parryi</i> ssp. <i>parryi</i>	Parry's Larkspur	C
<i>Thalictrum fendleri</i> var. <i>polycarpum</i>	Fendler's Meadow-rue	Q
<b>Rhamnaceae - Buckthorn Family</b>		
<i>Ceanothus crassifolius</i>	Hoaryleaf Ceanothus	C
<i>Ceanothus leucodermis</i>	Chaparral Whitethorn	C
<i>Ceanothus oliganthus</i> var. <i>oliganthus</i>	Hairy-leaf Ceanothus	C
<i>Ceanothus tomentosus</i>	Ramona Ceanothus	C
<i>Rhamnus californica</i> ssp. <i>californica</i>	California Coffeeberry	C
<i>Rhamnus ilicifolia</i>	Holly-leaf Redberry	C



Scientific Name	Common Name	Habitat
<i>Rhamnus pilosa</i>	Hairy-leaf Redberry	C
<b>Rosaceae - Rose Family</b>		
<i>Adenostoma fasciculatum</i>	Chamise	C
<i>Cercocarpus minutiflorus</i>	San Diego Mountain-mahogany	C
<i>Heteromeles arbutifolia</i>	Toyon	C
<i>Horkelia truncata</i>	Ramona Horkelia	C
<i>Potentilla glandulosa</i> ssp. <i>glandulosa</i>	Sticky Cinquefoil	Q
<i>Prunus ilicifolia</i> ssp. <i>ilicifolia</i>	Holly-leafed Cherry	C
<i>Rosa californica</i>	California Rose	C
<i>Rubus ursinus</i>	California Blackberry	W
<b>Rubiaceae - Madder Family</b>		
<i>Galium angustifolium</i> ssp. <i>angustifolium</i>	Narrow-leaf Bedstraw	C
* <i>Galium aparine</i>	Goose Grass	C,Q
<i>Galium nuttallii</i> ssp. <i>nuttallii</i>	Nuttall's Bedstraw	C
<b>Rutaceae - Rue Family</b>		
<i>Cneoridium dumosum</i>	Coast Spice Bush	C
<b>Salicaceae - Willow Family</b>		
<i>Salix gooddingii</i>	Goodding's Black Willow	W
<i>Salix lasiolepis</i>	Arroyo Willow	W
<b>Saururaceae - Lizard-tail Family</b>		
<i>Anemopsis californica</i>	Yerba Mansa	W
<b>Saxifragaceae - Saxifrage Family</b>		
<i>Jepsonia parryi</i>	Coast Jepsonia	C
<i>Lithophragma affine</i>	Woodland Star	C
<b>Scrophulariaceae - Figwort Family</b>		
<i>Antirrhinum nuttallianum</i> ssp. <i>subsessile</i>	Nuttall's Snapdragon	C
<i>Castilleja affinis</i> ssp. <i>affinis</i>	Coast Paintbrush	C
<i>Castilleja exserta</i> ssp. <i>exserta</i>	Purple Owl's-clover	C
<i>Collinsia heterophylla</i>	Purple Chinese Houses	C
<i>Cordylanthus rigidus</i> ssp. <i>setigerus</i>	Dark-tip Bird's-beak	C
<i>Keckiella cordifolia</i>	Climbing Bush Penstemon	C
<i>Linaria canadensis</i>	Blue Toadflax	C
<i>Mimulus aurantiacus</i>	San Diego Monkeyflower	C
<i>Mimulus guttatus</i>	Common Monkeyflower	W
<i>Pedicularis densiflora</i>	Indian Warrior	C
<i>Penstemon spectabilis</i>	Showy Penstemon	C
<i>Scrophularia californica</i> ssp. <i>floribunda</i>	California Figwort	C



Scientific Name	Common Name	Habitat
<b>Solanaceae – Nightshade Family</b>		
<i>Solanum parishii</i>	Parish's Nightshade	C
<b>Styracaceae - Storax Family</b>		
<i>Styrax officinalis</i> var. <i>redivivus</i>	Snowdrop Bush	C
<b>Urticaceae - Nettle Family</b>		
<i>Parietaria hespera</i> var. <i>californica</i>	Western Pellitory	C
<i>Urtica dioica</i> ssp. <i>holosericea</i>	Hoary Nettle	W
<b>Violaceae - Violet Family</b>		
<i>Viola pedunculata</i>	Johnny-jump-up	C
<b>Viscaceae - Mistletoe Family</b>		
<i>Phoradendron macrophyllum</i>	Big-leaf Mistletoe	W
<b>MONOCOTYLEDONS</b>		
<b>Arecaceae - Palm Family</b>		
* <i>Washingtonia robusta</i>	Thread Palm	X
<b>Cyperaceae - Sedge Family</b>		
<i>Carex praegracilis</i>	Cluster Field-sedge	W
<i>Carex spissa</i>	San Diego Sedge	Q
<i>Carex triquetra</i>	Triangular-fruit Sedge	C
<i>Cyperus eragrostis</i>	Tall Flatsedge	W
<i>Eleocharis montevidensis</i>	Dombey's Spike-sedge	W
<b>Iridaceae - Iris Family</b>		
<i>Sisyrinchium bellum</i>	Blue-eyed-grass	C
<b>Juncaceae - Rush Family</b>		
<i>Juncus bufonius</i> var. <i>bufonius</i>	Toad Rush	G
<i>Juncus dubius</i>	Mariposa Rush	G
<i>Juncus mexicanus</i>	Mexican Rush	G,Q
<b>Liliaceae - Lily Family</b>		
* <i>Agave attenuata</i>	Agave	X
<i>Allium haematochiton</i>	Red-skin Onion	C
<i>Aloe</i> sp.	Aloe	X
<i>Bloomeria crocea</i>	Common Goldenstar	C
<i>Calochortus splendens</i>	Splendid Mariposa	C
<i>Chlorogalum parviflorum</i>	Small-flower Soap-plant	C
<i>Dichelostemma capitatum</i> ssp. <i>capitatum</i>	Wild Hyacinth	C
<i>Yucca schidigera</i>	Mojave Yucca	C



Scientific Name	Common Name	Habitat
<i>Yucca whipplei</i>	Our Lord's Candle	C
<i>Zigadenus fremontii</i>	Fremont's Camas	C
<b>Poaceae - Grass Family</b>		
<i>Achnatherum coronatum</i>	Giant Needlegrass	C
<i>Agrostis pallens</i>	Leafy Bent	C
* <i>Avena barbata</i>	Slender Wild Oat	G,X
<i>Bothriochloa barbinodis</i>	Cane Bluestem	C
* <i>Bromus diandrus</i>	Ripgut Grass	G,X
* <i>Bromus hordeaceus</i>	Soft Chess	G,X
* <i>Bromus madritensis</i> ssp. <i>madritensis</i>	Compact Chess	G,X
<i>Calamagrostis koelerioides</i>	Reedgrass	C
* <i>Cynodon dactylon</i>	Bermuda Grass	X
<i>Elymus glaucus</i> ssp. <i>glaucus</i>	Blue Wild Rye	Q
* <i>Hordeum murinum</i> ssp. <i>leporinum</i>	Hare Barley	G,X
* <i>Lamarckia aurea</i>	Golden-top	C
<i>Leymus condensatus</i>	Giant Wild Rye	C
* <i>Lolium perenne</i>	Perennial Ryegrass	C
<i>Melica imperfecta</i>	Coast Range Melic	C,DS
<i>Muhlenbergia rigens</i>	Deergrass	C,W
<i>Nassella lepida</i>	Foothill Needlegrass	C
<i>Nassella pulchra</i>	Purple Needlegrass	C,D
* <i>Poa annua</i>	Annual Bluegrass	X
* <i>Poa pratensis</i> ssp. <i>pratensis</i>	Kentucky Bluegrass	G
* <i>Polypogon monspeliensis</i>	Annual Beard Grass	W
* <i>Schismus barbatus</i>	Mediterranean Schismus	C,X
* <i>Vulpia myuros</i> var. <i>hirsuta</i>	Foxtail Fescue	D,X
<b>Typhaceae - Cat-Tail Family</b>		
<i>Typha latifolia</i>	Broad-leaved Cattail	G

\* Denotes non-native plant taxa



## **Appendix 2**

### **Faunal Checklist of Species Observed\***



## APPENDIX 2. FAUNAL CHECKLIST OF SPECIES OBSERVED\*

### *Habitat Types:*

A = Agricultural Field/Disturbed  
D = Diegan Coastal Sage Scrub  
R = Riparian Scrub  
W = Non-Native Woodland

C = Southern Mixed Chaparral  
O = Oak Woodlands  
N = Non-Native Grassland  
F = Fly Over

### *Abundance Codes:*

A = Abundant: Almost always encountered in moderate to large numbers in suitable habitat and the indicated season.

C = Common: Usually encountered in proper habitat at the given season.

U = Uncommon: Infrequently detected in suitable habitat. May occur in small numbers or only locally in the given season.

R = Rare: Applies to species which are found in very low numbers.

### *Status Codes: (Birds Only)*

M = Migrant: Uses the site for brief periods of time, primarily during the spring and fall months.

R = Year-round resident: Probable breeder on-site or in the vicinity.

S = Spring/summer resident: Probable breeder on-site or in the vicinity.

T = Transient: Uses site regularly but unlikely to breed on-site.

W = Winter visitor: Does not breed locally.

\* List includes only those species detected by Merkel & Associates biologists. Species detected by subconsultants are addressed within their specific reports for Golden Eagle and Stephen's Kangaroo Rat trapping (see attached) and have not been included here as M&A biologists were not the observers.



Common Name	Scientific Name	Habitat	Abundance	Status
<b>BUTTERFLIES</b>				
<b>Papilionidae (Swallowtails)</b>				
Pale Swallowtail	<i>Papilio eurymedon</i>	O	C	
Western Tiger Swallowtail	<i>Papilio rutulus</i>	O	C	
<b>Pieridae (Whites and Sulfurs)</b>				
Felder's Orangetip	<i>Anthocharis cethura</i>	D,C,A,N	U	
Pacific (=Sara) Orangetip	<i>Anthocharis sara</i>	D,C,A,N	C	
<b>Lycaenidae (Gossamer-wing Butterflies)</b>				
Perplexing Hairstreak	<i>Callophrys perplexa</i>	D,C	C	
Silvery (=Southern) Blue	<i>Glaucopsyche lygdamus</i>	D	C	
Gray Hairstreak	<i>Strymon melinus</i>	C	U	
<b>Riodinidae (Metalmarks)</b>				
Behr's Metalmark	<i>Apodemia virgulti</i>	D,C	C	
<b>Nymphalidae (Brush-footed Butterflies)</b>				
Gabb's Checkerspot	<i>Chlosyne gabbii</i>	D,C	C	
California Sister	<i>Adelpha bredowii</i>	O	U	
California Ringlet	<i>Coenonympha californica</i>	A,C	C	
Mourning Cloak	<i>Nymphalis antiopa</i>	O	U	
West Coast Lady	<i>Vanessa anabella</i>	A,C,N	C	
Lorquin's Admiral	<i>Limenitis lorquini</i>	O	U	
<b>Hesperiidae (Skippers)</b>				
Funereal Duskywing	<i>Erynnis funeralis</i>	D,C	C	
<b>REPTILES</b>				
<b>Phrynosomatidae</b>				
Granite Spiny Lizard	<i>Sceloporus orcutti</i>	C	U	
Western Fence Lizard	<i>Sceloporus occidentalis</i>	A,D,C	C	
Side-blotched Lizard	<i>Uta stansburiana</i>	A,D,C	C	
San Diego Horned Lizard	<i>Phrynosoma coronatum blainvillii</i>	D,C	U	
<b>Colubridae (Colubrids)</b>				
California Striped Racer	<i>Masticophis lateralis lateralis</i>	C	U	
<b>BIRDS</b>				
<b>Cathartidae (American Vultures)</b>				
Turkey Vulture	<i>Cathartes aura</i>	F	U	R/T?



Common Name	Scientific Name	Habitat	Abundance	Status
<b>Accipitridae (Hawks, Old World Vultures, and Harriers)</b>				
Cooper's Hawk	<i>Accipiter cooperii</i>	O	U	R
Red-shouldered Hawk	<i>Buteo lineatus</i>	O	C	R
Red-tailed Hawk	<i>Buteo jamaicensis</i>	F	C	R
<b>Falconidae (Caracaras and Falcons)</b>				
American Kestrel	<i>Falco sparverius</i>	A,N	C	R
<b>Phasianidae (Quails, Pheasants, and Relatives)</b>				
California Quail	<i>Callipepla californica</i>	A,D,C,N	C	R
<b>Columbidae (Pigeons and Doves)</b>				
Mourning Dove	<i>Zenaida macroura</i>	A,D,C,O	C	R
<b>Tytonidae (Barn Owls)</b>				
Barn Owl	<i>Tyto alba</i>	O	R	R
<b>Strigidae (Typical Owls)</b>				
Western Screech-Owl	<i>Otus kennicottii</i>	O	U	R
<b>Trochilidae (Hummingbirds)</b>				
Anna's Hummingbird	<i>Calypte anna</i>	A,D,C,W	C	R
Costa's Hummingbird	<i>Calypte costae</i>	C	U	M
Rufous Hummingbird	<i>Selasphorus rufus</i>	C	U	M
Allen's Hummingbird	<i>Selasphorus sasin</i>	C	U	M
<b>Picidae (Woodpeckers and Wrynecks)</b>				
Acorn Woodpecker	<i>Melanerpes formicivorus</i>	O	C	R
Nuttall's Woodpecker	<i>Picoides nuttallii</i>	O,R,W	U	R
Northern Flicker	<i>Colaptes auratus</i>	O	C	R
<b>Tyrannidae (Tyrant Flycatchers)</b>				
Pacific-slope Flycatcher	<i>Empidonax difficilis</i>	O	C	S
Black Phoebe	<i>Sayornis nigricans</i>	O,A,N	C	R
Ash-throated Flycatcher	<i>Myiarchus cinerascens</i>	A,N	U	S
Western Kingbird	<i>Tyrannus verticalis</i>	A,N	C	S
<b>Corvidae (Jays, Magpies, and Crows)</b>				
Western Scrub-Jay	<i>Aphelocoma californica</i>	D,C	A	R
American Crow	<i>Corvus brachyrhynchos</i>	A,O	C	R
Common Raven	<i>Corvus corax</i>	A,O	C	R
<b>Paridae (Chickadees and Titmice)</b>				
Oak Titmouse	<i>Parus inornatus</i>	O	C	R



Common Name	Scientific Name	Habitat	Abundance	Status
<b>Aegithalidae (Bushtit)</b>				
Bushtit	<i>Psaltiriparus minimus</i>	D,C	C	R
<b>Troglodytidae (Wrens)</b>				
Canyon Wren	<i>Catherpes mexicanus</i>	C	U	R
Bewick's Wren	<i>Thryomanes bewickii</i>	D	C	R
House Wren	<i>Troglodytes aedon</i>	O	C	R
<b>Muscicapidae (Old World Warblers, Gnatcatchers, Kinglets, Thrushes, Bluebirds, and Wrentit)</b>				
Western Bluebird	<i>Sialia mexicana</i>	N	C	R
Hermit Thrush	<i>Catharus guttatus</i>	C	U	W
Wrentit	<i>Chamaea fasciniata</i>	C	C	R
American Robin	<i>Turdus migratorius</i>	N,W	R	M
<b>Mimidae (Mockingbirds and Thrashers)</b>				
California Thrasher	<i>Toxostoma redivivum</i>	C	U	R
<b>Ptilonotidae (Silky Flycatchers)</b>				
Phainopepla	<i>Phainopepla nitens</i>	O	C	S
<b>Sturnidae (Starlings)</b>				
European Starling	<i>Sturnus vulgaris</i>	A,O	C	R
<b>Vireonidae (Typical Vireos)</b>				
Warbling Vireo	<i>Vireo gilvus</i>	O	U	M/S?
<b>Emberizidae (Warblers, Sparrows, Blackbirds and Relatives)</b>				
Orange -crowned Warbler	<i>Vermivora celata</i>	O	U	S
Nashville Warbler	<i>Vermivora ruficapilla</i>	O	U	M
Common Yellowthroat	<i>Geothlypis trichas</i>	O,R	C	R
Wilson's Warbler	<i>Wilsonia pusilla</i>	O,R	U	M/S
Black-headed Grosbeak	<i>Pheucticus melanocephalus</i>	O	U	S
Lazuli Bunting	<i>Passerina amoena</i>	C,N	U	S
Spotted Towhee	<i>Pipilo maculatus</i>	D,C,O	A	R
California Towhee	<i>Pipilo crissalis</i>	D,C	A	R
So. Cal. Rufous-crowned Sparrow	<i>Aimophila ruficeps canescens</i>	C	U	R
Lark Sparrow	<i>Chondestes grammacus</i>	O	U	R
Song Sparrow	<i>Melospiza melodia</i>	O,R	C	R
Fox Sparrow	<i>Passerella iliaca</i>	C	C	W
Dark-eyed Junco	<i>Junco hyemalis</i>	O,N,W	U	W
<b>Fringillidae (Finches)</b>				
House Finch	<i>Carpodacus mexicanus</i>	A,W,C,D	A	R
Lesser Goldfinch	<i>Carduelis psaltria</i>	A,W,C	A	R



Common Name	Scientific Name	Habitat	Abundance	Status
<b>Psittacidae (Parakeets)</b>				
Green Parakeet	<i>Aratinga holochbra</i>	F	R	?
<b>MAMMALS</b>				
<b>Leporidae (Rabbits and Hares)</b>				
Desert Cottontail	<i>Sylvilagus audubonii</i>	D,C,N	C	
<b>Sciuridae (Squirrels, Chipmunks, and Marmots)</b>				
California Ground Squirrel	<i>Spermophilus beecheyi</i>	A,N	A	
<b>Geomyidae (Pocket Gophers)</b>				
Botta's Pocket Gopher	<i>Thomomys bottae</i>	D,A,N	C	
<b>Muridae (Rats, mice, and voles)</b>				
Dusky-footed Woodrat	<i>Neotoma fuscipes</i>	C,O	C	
<b>Canidae (Foxes, Wolves, and Relatives)</b>				
Coyote	<i>Canis latrans</i>	D,C,O	C	
Gray Fox	<i>Urocyon cinereoargenteus</i>	O	U	
<b>Felidae (Cats)</b>				
Bobcat	<i>Felis rufus</i>	O,N	C	
<b>Cervidae (Deer, Elk, and Relatives)</b>				
Mule Deer	<i>Odocoileus hemionus</i>	C,O	C	



**Appendix 3**  
**Plant and Animal Sensitivity Guidelines**

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### APPENDIX 3. Plant and Animal Sensitivity Guidelines

Listings by USFWS and CDFG carry regulatory authority (except FSC), while other listings herein are generally advisory in nature and serve to monitor and inform.

#### FEDERALLY LISTED AND CANDIDATE SPECIES

FE	Federal Endangered Species	Listed as Endangered by the federal government under the Endangered Species Act of 1973. Taxa that are in danger of becoming extinct throughout all or a significant portion of their range.
FT	Federal Threatened Species	Listed as Threatened by the federal government under the Endangered Species Act of 1973. Taxa which are likely to become endangered in the foreseeable future in the absence of special protection.
FSC	Former Federal Special Concern Species	The USFWS no longer maintains this list. It previously applied to taxa for which information may exist to possibly support listing, but for which substantial biological information is lacking to support a proposed rule. It is currently a "term-of-art" applied to taxa whose conservation status may be of concern to the USFWS, but have no official federal status. It is provided in this document for information purposes only.
FPE	Federal Proposed Endangered	Taxa which have been officially proposed for federal endangered status, but the biological information to make such a determination is currently under review.
FPT	Federal Proposed Threatened	Taxa which have been officially proposed for federal endangered status, but the biological information to make such a determination is currently under review.

#### CALIFORNIA LISTED AND CANDIDATE SPECIES

SE	California (state) Endangered Species	A native California taxa which is in serious danger of becoming extinct throughout all or a significant portion of its range (Fish & Game Code 2062).
ST	California (state) Threatened Species	A native California taxa which, although not presently threatened with extinction, is likely to become an endangered species in the foreseeable future in the absence of special protection and management efforts (Fish & Game Code 2067).
Fully Protected		Taxa which fall under special protection within the Fish & Game Codes (3511-birds, 4700-mammals, 5050-



reptiles and amphibians, 5515-fish). Fully protected and protected species may not be taken or possessed without a permit from CDFG.

CSC	CDFG Species of Special Concern	Taxa for which sufficient information exists which warrants concern over that species status and may warrant future listing as threatened or endangered. CDFG designates species as CSC because of declining population levels, limited ranges, and/or continuing threats which have made them vulnerable to extinction. Protective status falls under State Government Code 66474.
SA	California Special Animals	Term refers to all taxa the CNDDDB is interested in tracking regardless of status or legal protection.

Taxa listed as Special Animals fall into one or more of the following categories:

- Officially listed or proposed for listing under the state or federal ESA.
- State or federal candidate for possible listing
- Taxa which meet the criteria for listing, even if not currently included on any list, as described in Section 15380 of the CEQA Guidelines
- Taxa considered by CDFG to be a CSC
- Taxa that are biologically rare, very restricted in distribution, declining throughout their range, or have a critical, vulnerable stage in their life cycle that warrants monitoring
- Populations in California that may be on the periphery of a taxon's range, but are threatened with extirpation in California
- Taxa closely associated with a habitat that is declining in California at an alarming rate (e.g., wetlands, riparian, old growth forests, desert aquatic systems, native grasslands, vernal pools, etc.)
- Taxa designated as a special status, sensitive, or declining species by other state or federal agencies, or non-governmental organization (NGO)

#### CALIFORNIA NATIVE PLANT SOCIETY

- List 1B: Plants rare, threatened, or endangered in California or elsewhere  
 List 2: Plants rare or endangered in California, but more common elsewhere.  
 List 3: Plants about which more information is needed.  
 List 4: Plants of limited distribution.

A "?" under Rarity/Endangerment/Distribution is given when information to allocate a code is incomplete.



## **Appendix 4**

### **Local Sensitive Plant Species Presence and Status**



**Appendix 4. Local sensitive plant species presence and status**

Scientific Name	Common Name	Habitat*	Federal Status	State Status	CNPS	MSCP Status	Site Status	Probability of Occurrence/ Reason for Absence
<i>Acanthomintha ilicifolia</i>	San Diego Thorn-mint	Chprl, CoScr, VFGrS, VnPls/clay	FT	SE	1B	NE Covered	Present locally, absent on-site	Low to none, lack of suitable clay soils
<i>Baccharis vanessae</i>	Encinitas Baccharis	Chprl (sandstone)	FT	SE	1B	NE Covered	Present locally, absent on-site	Low to none, species absent despite botanical surveys
<i>Brodiaea orcuttii</i>	Orcutt's Brodiaea	CCFrS, Chprl, CmWld, Medws, VFGrS, VnPls/clay	None	None	1B	Covered	Present locally, absent on-site	Low to none, species absent despite botanical surveys in appropriate habitat
<i>Ceanothus cyaneus</i>	Lakeside Lilac	CCFrS, Chprl	None	None	1B	NE Covered	Present locally, absent on-site	Optimal soil type (acid igenous) absent from site
<i>Chamaebatia australis</i>	Southern Mountain Misery	Chprl	None	None	4	None	Present locally, absent on-site	Low, species grows in thickets and is not difficult to locate but was not recorded on-site
<i>Chorizanthe leptotheca</i>	Peninsular Spineflower	Chprl, oftentimes on steep slopes	None	None	4	None	Present locally, absent on-site	Low, lack of open loamy areas within chaparral
<i>Clarkia delicata</i>	Delicate Clarkia	Chprl, CmWld	None	None	1B	None	Present locally, absent on-site	Low, limited grasslands on-site are disturbed
<i>Harragonella palmeri</i>	Palmer's Grappling Hook	Chprl, CoScr, VFGrS/clay	None	None	4	None	Present locally, absent on-site	Low to none, lack of suitable clay soils
<i>Horkelia truncata</i>	Ramona Horkelia	Chprl, CmWld/clay	None	None	1B	None	Present on-site	N/A
<i>Lepechinia cardiophylla</i>	Heart-leaved Pitcher Sage	CCFrS, Chprl, CmWld	None	None	1B	NE Covered	Present locally, absent on-site	Low, species absent despite botanical surveys
<i>Machaeranthera juncea</i>	Rush-like Bristleweed	Chprl, CoScr	None	None	4	None	Present locally, absent on-site	Low, species absent despite botanical surveys and wetland delineation
<i>Monardella hypoleuca lanata</i>	Felt-leaved Monardella	Chprl, CmWld	None	None	1B	Covered	Present on-site	N/A
<i>Polygala cornuta</i> ssp. <i>fishiae</i>	Fish's Milkwort	Chprl, CmWld, RpWld	None	None	4	None	Rare in region, absent on-site	Low to none, generally rare in region, even in suitable habitat
<i>Quercus engelmannii</i>	Engelmann Oak	Chprl, CmWld, RpWld, VFGrS	None	None	4	None	Present on-site	N/A
<i>Satureja chandleri</i>	San Miguel Savory	Chprl, CmWld, CoScr, RpWld, VFGrS	None	None	1B	Covered	Present locally, absent on-site	Low, species absent despite botanical surveys
<i>Selaginella cinerascens</i>	Ashy Spike-moss	Chprl, CoScr	None	None	None	None	Present on-site	N/A
<i>Senecio ganderi</i>	Gander's Butterweed	Chprl (burned areas, gabbroic outcrops)	None	Rare	1B	Covered	Present on-site	N/A
<i>Tetracoccus dioicis</i>	Parry's Tetracoccus	Chprl, CoScr	None	None	1B	Covered	Rare in region, absent on-site	Low, species absent despite botanical surveys

FT = Federally Threatened, SE = California ESA Endangered, NE = MSCP Narrow Endemic Species

\*Habitat codes are synonymous to those used in the California Native Plant Society's Inventory of Rare and Endangered Vascular Plants of California (Skinner and Pavlik 1994). CCFrS = closed-cone conifer forest, Chprl = chaparral, CoScr = coastal scrub, CmWld = cismontane woodland, Medws = meadows and seeps, RpWld = riparian woodland, VFGrS = valley and foothill grassland, VnPls = vernal pools. For habitat characterization see Skinner and Pavlik 1994.



## **Appendix 5**

### **Sensitive Vertebrate Species Observed or Potentially Present at the Salvation Army Camp Site**



**Appendix 5.** Local sensitive faunal species presence and status

Common Name	Scientific Name	Habitat	Federal Status	State Status	CDFG Status	MSCP Status	On-site Status	Probability of Occurrence/Reason for Absence
Quino Checkerspot Butterfly	<i>Euphydryas editha quino</i>	Open grassland and openings within shrub habitats that support Dwarf Plantain ( <i>Plantago erecta</i> )	FE	None	SA	NE	Absent	Results of 2001 focused surveys were negative
Hermes Copper	<i>Lycaena hermes</i>	Openings in chaparral, associated with the larval host plant Spiny Redberry ( <i>Rhamnus crocea</i> ); adults feed on nectar from Flat-top Buckwheat	FSC	None	SA	None	Absent/ Not expected	Low to none, due to absence of host plant
Harbison's Dun Skipper	<i>Euphyes vestris harbisoni</i>	Riparian oak woodland in a matrix of chaparral with moist conditions that support its host plant San Diego Sedge ( <i>Carex spissa</i> )	FSC	None	SA	None	Potentially present	Moderate; this species was not detected during lepidoptera surveys on-site and CNDDB does not report this species from the immediate area but the host plant does occur on-site
Large-blotched Salamander	<i>Ensatina klauberi</i>	Oak woodlands, mixed chaparral, and mixed coniferous forests with an abundance of surface litter	FSC	None	CSC	None	Absent/ Not expected	Low to none; not known from the immediate region; site has woodlands, but it is outside of this salamander's normal range
Arroyo Toad	<i>Bufo californicus</i>	Shallow pools, open sand, and gravel flood terraces of intermittent to perennial streams; may also occupy adjacent upland communities within 1.2 km	FE	None	CSC, Protected	NE, Covered	Absent	Lack of suitable habitat (see subsequent textual discussion)
Western Spadefoot	<i>Spea hammondi</i>	Prefers sandy or gravelly soil in grasslands, sage scrub, open chaparral, and pine-oak woodlands; grasslands with shallow temporary pools are optimal	FSC	None	CSC, Protected	None	Potentially present	Moderate; known from the region, but lack of breeding habitat limits potential
California Red-legged Frog	<i>Rana aurora draytonii</i>	Quiet permanent stream pools, marshes, and ponds	FT	None	CSC, Protected	NE, Covered	Absent	Requires permanent or nearly permanent water with emergent vegetation, which is absent
San Diego Banded Gecko	<i>Coleonyx variegatus abbotti</i>	Areas of rock outcrop within sage scrub and chaparral	FSC	None	SA	None	Potentially present	Good; due to the presence of undisturbed rock outcrops within sage scrub and chaparral
Silvery Legless Lizard	<i>Anniella pulchra pulchra</i>	Shows a preference for areas of leaf litter and loose soil along washes, beach sand dunes, open scrub and woodland, and sandy benches along alluvial fans.	FSC	None	CSC	None	Potentially present	Good
San Diego Horned Lizard	<i>Phrynosoma coronatum blainvillii</i>	Chaparral, sage scrub, oak woodlands, and grasslands; sometimes occurs along seldom used dirt roads where native ant species are prevalent	FSC	None	CSC, Protected	Covered	Present	N/A



Common Name	Scientific Name	Habitat	Federal Status	State Status	CDFG Status	MSCP Status	On-site Status	Probability of Occurrence/Reason for Absence
Coronado Skink	<i>Eumeces skiltonianus interparietalis</i>	Variety of habitats including grasslands, sage scrub, and various woodlands including oak, pine, juniper, and riparian	FSC	None	CSC	None	Expected	Excellent
Orange-throated Whiptail	<i>Aspidoscelis (=Cnemidophorus) hyperythra beldingi</i>	Sage scrub (and chaparral), prefers sandy areas with patches of brush and rocks; may be associated with buckwheat and Black Sage	FSC	None	CSC, Protected	Covered	Present	N/A
Coastal Western Whiptail*	<i>Aspidoscelis (=Cnemidophorus) tigris steinegeri</i>	Coastal Sage Scrub, chaparral, and grasslands	FSC	None	SA	None	Expected	Excellent; known from the immediate area (CNDDDB data), and suitable habitat exists on-site
Coastal Rosy Boa	<i>Charina (=Lichanura) trivirgata</i>	Rocky outcrop areas within chaparral and sage scrub	FSC	None	SA	None	Potentially present	Good; Klauber (unpublished data) indicates species presence within Mussey Grade area and suitable habitat exists on-site
San Diego Ringneck Snake	<i>Diadophis punctatus similis</i>	Chaparral, forest, and grasslands, most common in moist, rocky areas	None	None	SA	None	Potentially present	Good; Klauber (unpublished data) indicates species presence within Mussey Grade area and suitable habitat exists on-site
Coast Patch-nosed Snake	<i>Salvadora hexalepis virgulata</i>	Chaparral and sage scrub; may require mammal burrows or woodrat nests for overwintering	FSC	None	CSC	None	Expected	Excellent; known from the immediate area (CNDDDB data, Klauber unpublished data), suitable habitat exists on-site and woodrats occur on-site
Two-striped Garter Snake	<i>Thamnophis hammondi</i>	Associated with semi-permanent and permanent bodies of water in a variety of habitats; requires a relatively dense riparian border	None	None	CSC, Protected	None	Potentially present	Moderate; the lack of a persistent water source limits on-site foraging habitat and the understory of the on-site riparian habitats is not typically dense
Northern Red Diamond Rattlesnake	<i>Crotalus ruber ruber</i>	Occupies rocky outcrops and areas of heavy brush or rugged terrain in chaparral, sage scrub, or desert scrub on both coastal and desert slopes, usually below 4000 feet	FSC	None	CSC	None	Potentially present	Good; Klauber (unpublished data) indicates species presence within Mussey Grade area and suitable habitat exists on-site
Turkey Vulture	<i>Cathartes aura</i>	Open habitats with protected large trees, snags, rock outcrops, or cliffs for nesting	None	None	None	None	Present	N/A
White-tailed Kite	<i>Elanus leucurus</i>	Grasslands, agricultural fields, and open habitats with areas of dense deciduous trees for nesting	None	None	SA, Fully Protected	None	Potentially present	Low; potential for sporadic occurrence, low potential for nesting
Golden Eagle	<i>Aquila chrysaetos</i>	Nests in cliffs (or trees), found in generally mountainous or hilly terrain	None	None	CSC, Fully Protected	NE (nesting) Covered	Expected	A Golden Eagle nest is located west of the site; the site may be used as foraging habitat.



Common Name	Scientific Name	Habitat	Federal Status	State Status	CDFG Status	MSCP Status	On-site Status	Probability of Occurrence/Reason for Absence
Sharp-shinned Hawk	<i>Accipiter striatus</i>	Mixed woodlands near open areas, prefers but not restricted to riparian habitats	None	None	CSC	None	Potentially present in appropriate season	Good; this species is likely a migrant within the on-site non-native and oak woodlands.
Cooper's Hawk	<i>Accipiter cooperii</i>	Oak, riparian deciduous or other woodland habitats usually near water	None	None	CSC	Covered	Present	N/A
Red-shouldered Hawk	<i>Buteo lineatus</i>	Dense riparian areas with adjacent edges and open areas for hunting	None	None	None	None	Present	N/A
Ferruginous Hawk	<i>Buteo regalis</i>	Dry, open habitats, typically grasslands	FSC	None	CSC	Covered	Potentially present in appropriate season	Low; lack of sizable grassland habitat severely limits potential
Loggerhead Shrike	<i>Lanius ludovicianus</i>	Found within grassland or open habitats with bare ground and sparse shrub and/or tree cover for nesting and perching	FSC	None	CSC	None	Absent	Likely due to lack of grasslands (surveys would have identified the presence of this species)
Least Bell's Vireo	<i>Vireo bellii pusillus</i>	Moist woodlands, typically early successional riparian habitat (details in report text)	FE	SE	SA	NE, Covered	Absent	Lack of structurally suitable riparian habitat, surveys would have identified this conspicuous species by song
California Horned Lark	<i>Eremophila alpestris actia</i>	Grasslands, disturbed areas and open habitats with sparse, low vegetation	None	None	CSC	None	Potentially present	Low; very limited habitat exists on-site and this species is not expected to have gone undetected
California Gnatcatcher*	<i>Polioptila californica</i>	Various successional stages of sage scrub	FT	None	CSC	Covered	Absent, although previously recorded on-site	Low; isolated patches of relatively low quality sage scrub are the only suitable habitat on-site; adjacent off-site areas of higher quality sage scrub have not supported this species recently
Western Bluebird	<i>Sialia mexicana</i>	Open woodlands, farmlands, and orchards	None	None	None	Covered	Present in appropriate season	N/A
Yellow Warbler	<i>Dendroica petechia</i>	Riparian woodlands, especially of willows	None	None	CSC	None	Not expected	Low, due to the absence of willow dominated mature riparian woodland
Yellow-breasted Chat	<i>Icteria virens</i>	Riparian woodland/scrub with dense undergrowth	None	None	CSC	None	Not expected/Absent	Low, due to the limited presence of dense riparian undergrowth, but distinctive song unlikely to have gone undetected



Common Name	Scientific Name	Habitat	Federal Status	State Status	CDFG Status	MSCP Status	On-site Status	Probability of Occurrence/Reason for Absence
Southern California Rufous-crowned Sparrow	<i>Aimophila ruficeps canescens</i>	Rocky hillside supporting sparse, low scrub or chaparral, sometimes mixed with grasses	FSC	None	CSC	Covered	Present	N/A
Bell's Sage Sparrow	<i>Amphispiza belli belli</i>	Relatively open chaparral (e.g. Chamise Chaparral) and sage scrub; Non-fragmented, contiguous areas on relatively flat terrain appear to be preferred	FSC	None	CSC	None	Not expected	Poor; the site provides little suitable habitat due to the lack of flat or mildly sloping terrain with sage scrub or open chaparral.
Grasshopper Sparrow	<i>Ammodramus savannarum</i>	Grasslands and pastures	None	None	SA	None	Absent	Lack of suitable habitat, the on-site grasslands are limited and mowed
Tricolored Blackbird	<i>Agelaius tricolor</i>	Feeds in grasslands and croplands, breeds near freshwater preferably in marshes or other emergent wetlands	FSC	None	CSC	Covered	Absent	Poor to None; no suitable habitat is located on-site
Yuma Myotis	<i>Myotis yumanensis</i>	Utilizes multiple habitats (primarily woodlands and forests) but forages over water	FSC	None	CSC	None	Expected	Excellent; this species is known from the San Vicente Reservoir area and is the 2 <sup>nd</sup> most common bat species in San Diego; suitable habitat exists on-site
Long-eared Myotis	<i>Myotis evotis</i>	Uses multiple habitats for roosting (mainly crevices), forages in oak/coniferous forests, may require water	FSC	None	None	None	Potentially present	Insufficient information to determine probability of occurrence
Small-footed Myotis	<i>Myotis ciliolabrum</i>	Uses a variety of habitats, prefers open stands in forests/woodlands, brushy habitats, and riparian areas	FSC	None	None	None	Potentially present	Insufficient information to determine probability of occurrence
Townsend's Big-eared Bat	<i>Corynorhinus townsendii</i>	Cave rooster, feeds in forest/woodland habitats or along habitat edges within 15 km of roost site	FSC	None	CSC	None	Expected	Strong association with oak woodlands (for foraging) in San Diego County
Pallid Bat	<i>Antrozous pallidus</i>	Utilizes open forest and grassland habitats for feeding and multiple habitats for roosting	None	None	CSC	None	Expected	Good; known from San Vicente area
Pocketed Free-tailed Bat	<i>Nyctinomops femorosaccus</i>	Cliff rooster, feeds in multiple habitats	None	None	CSC	None	Expected	Good; not necessarily roosting, but foraging, may roost nearby
Big Free-tailed Bat	<i>Nyctinomops macrotis</i>	Cliff rooster, prefers rugged, rocky canyons, feeds in multiple habitats including over water	None	None	CSC	None	Potentially present	Insufficient information to determine probability of occurrence
Western Mastiff Bat (see Ca. Mastiff Bat in	<i>Eumops perotis</i>	Extensive open areas with abundant roost locations in rock outcrops, (found where oaks and chaparral occur)	FSC	None	CSC	None	Expected	Good; known from San Vicente area, expected to forage on-site



Common Name	Scientific Name	Habitat	Federal Status	State Status	CDFG Status	MSCP Status	On-site Status	Probability of Occurrence/Reason for Absence
report text)								
San Diego Black-tailed Jackrabbit	<i>Lepus californicus bennettii</i>	Relatively open chaparral and sage scrub and grasslands	FSC	None	CSC	None	Potentially present	Moderate to good; much of the on-site habitats are too dense, but suitable open sage scrub and grassland exist on-site
Los Angeles Little Pocket Mouse	<i>Perognathus longimembris brevinasus</i>	Found in areas of fine sandy ground, (Coastal Sage Scrub)	FSC	None	CSC	None	Absent	Rarely found on rocky sites; outside of expected range; not identified during trapping
Dulzura California/Pacific Pocket Mouse	<i>Chaetodipus californicus femoralis</i>	Found in areas of fine sandy ground, (Chaparral/Coastal Sage Scrub)	FSC	None	CSC	None	Absent	Rarely found on rocky sites; not identified during trapping
Northwestern San Diego Pocket Mouse	<i>Chaetodipus fallax fallax</i>	Found in Coastal sage scrub	FSC	None	CSC	None	Present	N/A
Stephen's Kangaroo Rat	<i>Dipodomys stephensi</i>	Areas of sparse vegetation primarily grasslands, but may occur in sage scrub or disturbed areas	FE	ST	SA	None	Absent	Absence determined through trapping
Southern Grasshopper Mouse	<i>Onychomys torridus ramona</i>	Variety of habitats, including grasslands, sage scrub and chaparral, where friable soils occur	FSC	None	CSC	None	Not expected	Low, not identified during trapping
San Diego Desert Woodrat	<i>Neotoma lepida intermedia</i>	Chaparral, particularly abundant in areas of rock outcrops	FSC	None	CSC	None	Present	N/A
American Badger	<i>Taxidea taxus</i>	Grasslands and open scrub habitats	None	None	SA	Covered	Absent	Lack of suitable habitat; no reports from the area, and no evidence of species presence on-site
Ringtail	<i>Bassariscus astutus</i>	Chaparral or forested habitat in close association with rock outcrops and riparian habitat	None	None	Protected	None	Potentially present	Good to Excellent; on-site undisturbed chaparral and oak woodlands in conjunction with rock outcrops provide optimal habitat.
Mountain Lion	<i>Puma concolor</i>	Chaparral or woodland habitats with requisite areas of riparian vegetation and interspersions of rock outcrops and irregular terrain where deer are present	None	None	Protected	Covered	Potentially present	Good to Excellent; chaparral, oak woodlands and riparian forest provide suitable habitat and prey species occur in area
Mule Deer	<i>Odocoileus hemionus</i>	Chaparral and open forest habitats with abundant edge and interspersed riparian habitat	None	None	None	Covered	Present	N/A

(FSC) = Formerly a Federal Species of Concern. The USFWS no longer maintains this list; however, the former designation has been include for informational purposes. SSC = CDFG Species of Special Concern, SLC = Species of Local Concern. More detailed descriptions of the above categories are found in Appendix 3.

\*Species recorded during previous biological survey but not observed during 1999 –2001 surveys.



## **Appendix 6**

### **Routine Wetland Data Forms and Photo Points**

#### **Salvation Army Divisional Camp and Retreat**

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**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army Camp</u>	Date: <u>5/5/00</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>VAL, NKJ</u>	State: <u>CA</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>NWW</u> Transect ID: <u>DP1</u> Plot ID: <u>PP1</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Toxicodendron diversilobum</i>	H	NI	9.		
2. <i>Bromus diandrus</i>	H	NI	10.		
3. <i>Oxalis corniculata</i>	H	FACU	11.		
4. <i>Stellaria media</i>	H	FACU	12.		
5. <i>Quercus agrifolia</i>	T	NI	13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic vegetation present.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: _____ (in.) Depth to free Water in Pit _____ (in.) Depth of Saturated Soil: _____ (in.)	
Remarks: Incised drainage running beneath oaks. Soil is moist, but not saturated.	



## SOILS

Map Unit Name

(Series and Phase): Cieneba rocky coarse  
sandy loam

Drainage Class: Excessively drained

Field Observations

Taxonomy (Subgroup): Typic Xerorthents

Confirm Mapped Type? ☐ Yes ☒ No

### Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-4		7.5 YR ¾			loamy sand
4-12		7.5 YR ¾			loamy sand
12-16		7.5 YR ¾			loamy sand

### Hydric Soil Indicators:

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content in surface layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                     |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                    |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List                 |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                           |

Remarks: No hydric soil indicators. Soil was very gravelly.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Is this Sampling Point Within a Wetland?		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

Remarks: CDFG jurisdictional Southern Coast Live Oak Riparian Forest. ACOE non-wetland waters of the U.S., which is also County RPO wetland.

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army Camp</u>	Date: <u>5/5/00</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>VAL, NKJ</u>	State: <u>CA</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>NWW</u> Transect ID: <u>DP2</u> Plot ID: <u>PP2</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Vinca major</i>	H	NI	9.		
2. <i>Galium aparine</i>	H	FACU	10.		
3. <i>Oxalis corniculata</i>	H	FACU	11.		
4. <i>Quercus agrifolia</i>	T	NI	12.		
5. <i>Platanus racemosa</i>	T	FACW	13.		
6. <i>Bromus diandrus</i>	H	NI	14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 17%

Remarks: Hyprophytic vegetation criteria not met

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>          -          </u> (in.) Depth to free Water in Pit <u>          -          </u> (in.) Depth of Saturated Soil: <u>          -          </u> (in.)	
Remarks: Soil is moist but not saturated.	



## SOILS

Map Unit Name (Series and Phase): Cieneba rocky coarse sandy loam		Drainage Class: <u>excessively drained</u>	
Taxonomy (Subgroup): Typic Xerorthents		Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

**Profile Description:**

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-4		7.5 YR 3/2	7.5 YR 4/6	faint, many, coarse	sandy loam
4/10		7.5 YR 3/4			loamy sand
10-16		10 YR 3/2	7.5 YR 4/4	faint, few, coarse	sandy loam

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input checked="" type="checkbox"/> High Organic Content in surface layer in Sandy Soils <input checked="" type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
--	--

Remarks: Low chroma soil with mottles.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	Is this Sampling Point Within a Wetland?    Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
Hydric Soils Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	

Remarks: CDFG jurisdictional Southern Coast Live Oak Riparian Forest. ACOE non-wetland waters of the U.S., which is also County RPO wetland.

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army Camp</u>	Date: <u>5/5/00</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>VAL, NKJ</u>	State: <u>CA</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>NWW</u>	
Transect ID: <u>DP3</u>	
Plot ID: <u>PP3</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Raphanus sativus</i>	H	NI	9.		
2. <i>Bromus diandrus</i>	H	NI	10.		
3. <i>Bromus mollis</i>	H	FACU	11.		
4. <i>Ambrosia psilostachys</i>	H	FAC	12.		
5. <i>Erodium sp.</i>	H	NI	13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 20%

Remarks: Hydrophytic vegetation criteria not met.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: _____ (in.) Depth to free Water in Pit _____ (in.) Depth of Saturated Soil: _____ (in.)	
Remarks: Incised drainage.	



## SOILS

Map Unit Name

(Series and Phase): Cieneba rocky coarse  
sandy loam

Drainage Class: excessively drained

Field Observations

Taxonomy (Subgroup): Typic Xerorthents

Confirm Mapped Type? ☐ Yes ☒ No

### Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-8		10 YR 4/3			sandy loam

### Hydric Soil Indicators:

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content in surface layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                     |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                    |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List                 |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                           |

Remarks: Could only dig to 8" in depth due to large rocks (cobble).  
No hydric soil indicators.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sampling Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks: Non-wetland waters of the U.S. (Jurisdictional under ACOE, CDFG, and County).

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army Camp</u>	Date: <u>5/5/00</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>VAL, NKJ</u>	State: <u>CA</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>NWW</u> Transect ID: <u>DP4</u> Plot ID: <u>PP4</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Toxicodendron diversilobum</i>	H	NI	9.		
2. <i>Juncus dubius</i>	H	FACW	10.		
3. <i>Quercus agrifolia</i>	T	NI	11.		
4. <i>Piptatherum miliacium</i>	H	NI	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 25%

Remarks: Hydrophytic vegetation criteria not met.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>          -          </u> (in.) Depth to free Water in Pit <u>          -          </u> (in.) Depth of Saturated Soil: <u>          -          </u> (in.)	
Remarks: Incised drainage.	



## SOILS

Map Unit Name (Series and Phase): Cieneba rocky coarse sandy loam		Drainage Class: <u>excessively drained</u>	
Taxonomy (Subgroup): Typic xerorthents		Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

**Profile Description:**

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-4		10 YR 3/1	10 YR 6/6	faint , many, course	loam
			7.5 YR 5/8	distinct, few, medium	

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in surface layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
--	--

Remarks: Low chroma soil with mottles. Could dig pit only 4" due to rocks and poison oak.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sampling Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Hydric Soils Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Remarks: CDFG jurisdictional Southern Coast Live Oak Riparian Forest. ACOE non-wetland waters of the U.S., which is also County RPO wetland.		

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army Camp</u>	Date: <u>5/8/00</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>VAL, NKJ</u>	State: <u>CA</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>NWW</u> Transect ID: <u>DP5</u> Plot ID: <u>PP5</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Ambrosia psilostachya</i>	H	FAC	9.		
2. <i>Oxalis corniculata</i>	H	FACU	10.		
3. <i>Quercus agrifolia</i>	T	NI	11.		
4. <i>Juncus dubius</i>	H	FACW	12.		
5. <i>Bromus diandrus</i>	H	NI	13.		
6. <i>Lolium perenne</i>	H	FAC	14.		
7. <i>Bromus hordeaceus</i>	H	FACU	15.		
8.			16.		
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 43%					
Remarks: Hydrophytic vegetation criteria was not satisfied.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: _____ (in.) Depth to free Water in Pit _____ (in.) Depth of Saturated Soil: _____ (in.)	
Remarks: Wetland hydroology is indicated by drainage patterns.	



## SOILS

Map Unit Name

(Series and Phase): Cieneba rocky coarse  
sandy loam

Drainage Class: excessively drained

Field Observations

Taxonomy (Subgroup): Typic Xerorthents

Confirm Mapped Type? ☐ Yes ☒ No

### Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-4		7.5 YR 3/4			loamy sand
4-12		7.5 YR 3/4			loamy sand
12-16		7.5 YR 4/6			loamy sand

### Hydric Soil Indicators:

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content in surface layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                     |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                    |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List                 |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                           |

Remarks: No hydric soil indicators. Soil was very gravelly.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sampling Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks: Non-wetland Waters of the U.S. (jurisdictional under ACOE, CDFG, and County).

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army Camp</u>	Date: <u>5/12/00</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>KLI, AHB, VAL</u>	State: <u>CA</u>
Do normal circumstances exist on the site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>EW</u> Transect ID: <u>DP6</u> Plot ID: <u>PP6</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Eleocharis macrostachya</i>	H	OBL	9.		
2. <i>Mimulus guttatus</i>	H	OBL	10.		
3. <i>Lytherum hyssopifolia</i>	H	FACW	11.		
4. <i>Bromus hordeaceus</i>	H	FACU	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 75%

Remarks: Emergent wetland vegetation growing in drainage.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>          -          </u> (in.) Depth to free Water in Pit <u>          -          </u> (in.) Depth of Saturated Soil: <u>          -          </u> (in.)	
Remarks: Incised channel	



## SOILS

Map Unit Name (Series and Phase): Visalia sandy loam					
Drainage Class: moderately well-drained					
Field Observations					
Taxonomy (Subgroup): Pachic Haploxerolls					
Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
<b>Profile Description:</b>					
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-12		10YR 3/2	5YR 5/6	faint, few, medium	sandy loam
<b>Hydric Soil Indicators:</b>					
<input type="checkbox"/> Histosol					
<input type="checkbox"/> Histic Epipedon					
<input type="checkbox"/> Sulfidic Odor					
<input type="checkbox"/> Aquic Moisture Regime					
<input type="checkbox"/> Reducing Conditions					
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions					
<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils					
<input type="checkbox"/> Organic Streaking in Sandy Soils					
<input type="checkbox"/> Listed on Local Hydric Soils List					
<input type="checkbox"/> Listed on National Hydric Soils List					
<input type="checkbox"/> Other (Explain in Remarks)					
<b>Remarks:</b> Soils in drainage could not be assessed due to high abundance of cobble. Couldn't dig pit. Sampled bank soils instead, which had low-chroma colors and mottles.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>					
Wetland Hydrology Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>					
Hydric Soils Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>					
					Is this Sampling Point Within a Wetland?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Remarks: Emergent Wetlands (jurisdictional under ACOE, CDFG, and County).									

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army Camp</u>	Date: <u>5/12/00</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>AHB, VAL</u>	State: <u>CA</u>
Do normal circumstances exist on the site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>NWW</u>	
Transect ID: <u>DP7</u>	
Plot ID: <u>PP7</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Bromus rubens</i>	H	NI	9.		
2. <i>Erodium sp.</i>	H	NI	10.		
3. <i>Cyrptantha intermedia</i>	H	NI	11.		
4. <i>Hirschfeldia incana</i>	H	NI	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0 %

Remarks: Upland vegetation

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: _____ (in.) Depth to free Water in Pit _____ (in.) Depth of Saturated Soil: _____ (in.)	

Remarks: Data Point is located in a basin that appears to have been filled. There are signs such as drainage patterns and sediment deposits that indicate that water flows into this basin from a four foot wide drainage upstream. The soil is moist but not saturated.



## SOILS

Map Unit Name (Series and Phase): Cieneba rocky coarse sandy loam		Drainage Class: <u>excessively drained</u>	
Taxonomy (Subgroup): Typic Xerorthents		Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

**Profile Description:**

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-4		2.5YR 7/3			sand
4-6		10YR 2/2			loamy sand
6-12		10YR 6/6			sand

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in surface layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

**Remarks:** The soils could not be accurately determined because the area was filled  
 Could not dig past 12" because of hard surface.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sampling Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Hydric Soils Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

**Remarks:** Atypical situation, soils, hydrology, and maybe vegetation, were altered.  
 Because area was a depression and there were signs that waters flow into the area, it was  
 considered to be Non-wetland Waters of the U.S. (jurisdictional under ACOE, CDFG, and  
 County).

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army Camp</u>	Date: <u>5/12/00</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>AHB, VAL</u>	State: <u>CA</u>
Do normal circumstances exist on the site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>SWS</u> Transect ID: <u>DP8</u> Plot ID: <u>PP8</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Populus fremontii</i>	S	FACW	9.		
2. <i>Salix lucida ssp. lasiandra</i>	S	OBL	10.		
3. <i>Baccharis salicifolia</i>	S	FACW	11.		
4. <i>Bromus rubens</i>	H	NI	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 75%

Remarks: Southern Willow Scrub vegetation

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>          -          </u> (in.) Depth to free Water in Pit <u>          -          </u> (in.) Depth of Saturated Soil: <u>          -          </u> (in.)	
Remarks: Data Point is on the edge of a basin that appeared to have been filled.	



## SOILS

Map Unit Name

(Series and Phase): Cieneba rocky coarse sandy loam

Drainage Class: excessively drained

Field Observations

Taxonomy (Subgroup): Typic Xerorthents

Confirm Mapped Type? ☐ Yes ☒ No

### Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-12		10YR 3/2	5 YR 5/6	faint, few, medium	sandy loam

### Hydric Soil Indicators:

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content in surface layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                     |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                    |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List                 |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                           |

Remarks: Soils in drainage could not be assessed due to high abundance of cobble. Could not dig pit. Sampled bank soils instead.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Is this Sampling Point Within a Wetland?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Wetland Hydrology Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>					
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Remarks: Atypical situation, soils were altered. Southern Willow Scrub vegetation (jurisdictional under ACOE, CDFG, and County).									

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army Camp</u>	Date: <u>5/12/00</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>KLI, VAL, AHB</u>	State: <u>CA</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>SWS</u> Transect ID: <u>DP9</u> Plot ID: <u>PP9</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Salix lucida ssp. lasiandra</i>	T	OBL	9.		
2. <i>Platanus racemosa</i>	T	FACW	10.		
3. <i>Artemisia douglasiana</i>	H	FACW	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 100%

Remarks: Southern Willow Scrub vegetation

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: _____ (in.) Depth to free Water in Pit _____ (in.) Depth of Saturated Soil: _____ (in.)	
Remarks: Drainage patterns present.	



## SOILS

[illegible]

## WETLAND DETERMINATION

WETLAND DETERMINATION				
Hydrophytic Vegetation Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Wetland Hydrology Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Hydric Soils Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Is this Sampling Point Within a Wetland?    Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
Remarks: Southern Willow Scrub (jurisdictional under ACOE, CDFG, and County).				

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army Camp</u>	Date: <u>12/13/00</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>VAL, KAA</u>	State: <u>CA</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF (CDFG only)</u> Transect ID: <u>DP10</u> Plot ID: <u>PP10</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Platanus racemosa</i>	T	FACW	9.		
2. <i>Quercus agrifolia</i>	T	NI	10.		
3. <i>Artemisia douglasiana</i>	H	FACW	11.		
4. <i>Rubus ursinus</i>	H	FACW	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 75%

Remarks: Southern Coast Live Oak Riparian Forest vegetation.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: _____ (in.) Depth to free Water in Pit _____ (in.) Depth of Saturated Soil: _____ (in.)	
Remarks: Insufficient hydrology indicators outside of bank.	



## SOILS

<b>Map Unit Name</b>						<b>Drainage Class:</b>	Moderately well drained
(Series and Phase): Visalia sandy loam						<b>Field Observations</b>	
<b>Taxonomy (Subgroup):</b> Pachic Haploxerolls						<b>Confirm Mapped Type?</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Profile Description:</b>							
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.		
0-16		10YR 3/3	none	none	loam		
<b>Hydric Soil Indicators:</b>							
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors				<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in surface layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
<b>Remarks:</b> No hydric soil indicators.							

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>				
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Is this Sampling Point Within a Wetland?					Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: Southern Coast Live Oak Riparian Forest. Jurisdictional under CDFG as wetlands and Adjacent Riparian. Limits of hydrophytic vegetation also considered County RPO wetlands.								

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army Camp</u>	Date: <u>12/13/00</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>VAL, KAA</u>	State: <u>CA</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF (CDFG only)</u> Transect ID: <u>DP11</u> Plot ID: <u>PP11</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Platanus racemosa</i>	T	FACW	9.		
2. <i>Quercus agrifolia</i>	T	NI	10.		
3. <i>Rumex crispus</i>	H	FACW	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 66%

Remarks: Little vegetation in drainage; however, *Platanus racemosa* and *Quercus agrifolia* trees are rooted in channel. Southern Coast Live Oak Riparian Forest vegetation.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: _____ (in.) Depth to free Water in Pit _____ (in.) Depth of Saturated Soil: _____ (in.)	
Remarks: Drainage patterns present.	



## SOILS

[illegible]

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>				
Wetland Hydrology Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>				
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Is this Sampling Point Within a Wetland?					Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: Southern Coast Live Oak Riparian Forest (jurisdictional under CDFG as wetlands and Adjacent Riparian and limits of hydrophytic vegetation are jurisdictional under County RPO). Also presence of Non-wetland Waters of the U.S.								

Approved by HQUSACE 3/92



**Photo Point 1.** Data Point 1 located in CDFG jurisdictional southern coast live oak riparian forest and ACOE jurisdictional non-wetland waters of the U.S.



**Photo Point 2.** Data Point 2 located in CDFG jurisdictional southern coast live oak riparian forest and ACOE jurisdictional non-wetland waters of the U.S.

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**Photo Point 3.** Data Point 3 located in non-wetland waters of the U.S.



**Photo Point 4.** Data Point 4 located in CDFG jurisdictional southern coast live oak riparian forest and ACOE jurisdictional non-wetland waters of the U.S.

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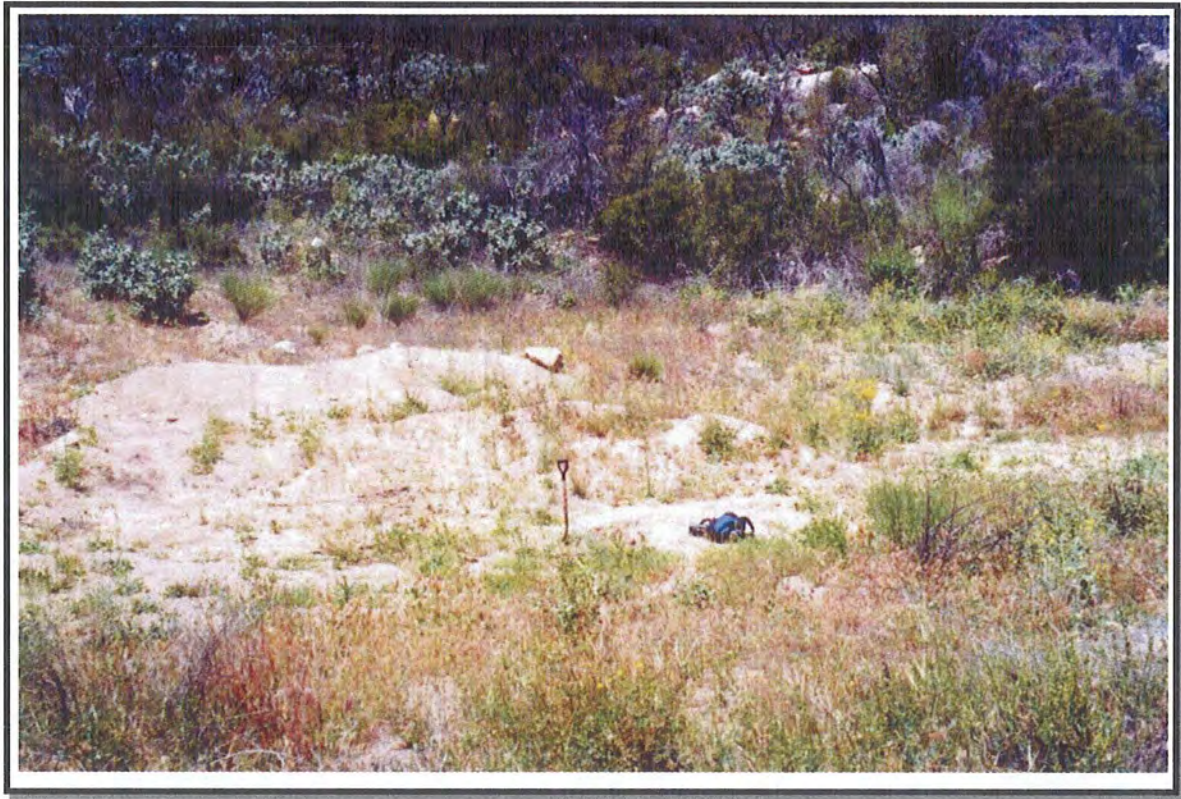


**Photo Point 5.** Data Point 5 located in non-wetland waters of the U.S.



**Photo Point 6.** Data Point 6 located in emergent wetland vegetation.





**Photo Point 7.** Data Point 7 located in non-wetland waters of the U.S.-atypical situation.



**Photo Point 8.** Data Point 8 located in southern willow scrub vegetation-atypical situation.





**Photo Point 9.** Data Point 9 located in southern willow scrub vegetation.



**Photo Point 10.** Data Point 10 located above a drainage in southern coast live oak riparian forest vegetation.

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**Photo Point 11.** Data Point 11 located in a drainage beneath southern coast live oak riparian forest vegetation.



**Photo Point 12.** View of impacted non-wetland waters of the U.S. Portions of two drainages were filled. Area is located just south of Data Point 3.





**Photo Point 13.** Another view of the impacted non-wetland waters of the U.S.



**Photo Point 14.** The drainage has been filled beneath the southern coast live oak riparian forest. No wetland vegetation appears to have been impacted. The excavated tree shown here is a mission olive tree (*Olea europea*), which is not a wetland-associated species.

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## **Appendix 7**

### **California Natural Diversity Database Forms**

# California Native Species Field Survey Form

Mail to:  
Natural Diversity Database  
California Department of Fish and Game  
1416 Ninth Street, 12th Floor  
Sacramento, CA 95814

For Office Use Only

Source Code \_\_\_\_\_ Quad Code \_\_\_\_\_  
Elm Code \_\_\_\_\_ Occ. No. \_\_\_\_\_  
EO Index No. \_\_\_\_\_ Map Index No. \_\_\_\_\_

Date of Field Work: 5 - 12 - 2000  
month day year

Scientific Name: Senecio ganderi  
Common Name: Gander's Ragwort

Species Found? ☒ yes ☐ no If not, why? \_\_\_\_\_  
Total No. Individuals \_\_\_\_\_ Subsequent Visit? ☐ yes ☐ no  
Is this an existing NDDDB occurrence? ☐ no ☐ unk.  
No Yes, Occ. # \_\_\_\_\_  
Collection? If yes: \_\_\_\_\_  
Number \_\_\_\_\_ Museum / Herbarium \_\_\_\_\_

Reporter: Hyke Ince / Merial & Assoc.  
Address: 3944 Murphy Canyon Road  
Suite C100 San Diego CA 92123  
Phone: (858) 560-5465

## Plant Information

Phenology: 75  
% vegetative % flowering % fruiting

## Animal Information

Age Structure: # adults # juveniles # unknown  
☐ breeding ☐ wintering ☐ burrow site ☐ rookery ☐ nesting ☐ other

Location (please also attach or draw map on back)

County: San Diego Landowner / Mgr.: Salvation Army  
Quad Name: San Vicente Elevation: 2,100  
14S R 1 W 1/4 of NW 1/4 of Section 12 T \_\_\_\_\_ R \_\_\_\_\_ 1/4 of \_\_\_\_\_ 1/4 of Section \_\_\_\_\_  
UTM: Zone: 11 (10, 11) Datum: NAD83 (NAD83, NAD27, WG584, other)  
Source: \_\_\_\_\_ (GPS, map & type, etc.) GPS Accuracy Point: (circle one) ☐ <80m ☐ <150m ☐ <300m  
UTM Coordinates \_\_\_\_\_

## Habitat Description (plant communities, dominants, associates, substrates/soils, aspects/slope)

Mixed Chaparral with meta volcanic substrate. Dominants include Ceanothus  
tomentosus, C. oliganthus, Adenostoma fasciculatum

Other rare species? Horkelia truncata, Monardella hypoleuca ssp. lanata

Site Information Overall site quality: ☐ Excellent ☒ Good ☐ Fair ☐ Poor

Current / surrounding land use: Undeveloped  
Visible disturbances / possible threats: Along existing trail

Comments: Found in shrub understory

## Determination: (check one or more, and fill in blanks)

☒ Keyed (cite reference): Jaeger  
☐ Compared with specimen housed at: \_\_\_\_\_  
☐ Compared with photo / drawing in: \_\_\_\_\_  
☐ By another person (name): \_\_\_\_\_  
☐ Other: \_\_\_\_\_

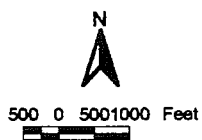
## Photographs: (check one or more)

Slide Print  
Plant / animal ☐ ☐  
Habitat ☐ ☐  
Diagnostic feature ☐ ☐  
May we obtain duplicates at our expense? ☐ yes ☐ no





Markel &amp; Associates, Inc.



## Salvation Army Camp Project Vicinity Map

Source: USGS 7.5' San Vicente, CA.  
Quadrangle

**Figure 1**

# California Native Species Field Survey Form

Mail to:  
Natural Diversity Database  
California Department of Fish and Game  
1416 Ninth Street, 12th Floor  
Sacramento, CA 95814

## For Office Use Only

Source Code \_\_\_\_\_ Quad Code \_\_\_\_\_  
Elm Code \_\_\_\_\_ Occ. No. \_\_\_\_\_  
EO Index No. \_\_\_\_\_ Map Index No. \_\_\_\_\_

Date of Field Work: 5 - 12 - 2000  
month day year

Scientific Name: Horkelia truncata

Common Name: Ramona Horkelia

Species Found? ☒ yes ☐ no If not, why? \_\_\_\_\_  
Total No. Individuals ~100 Subsequent Visit? ☐ yes ☒ no  
Is this an existing NDDDB occurrence? NO ☐ no ☐ unk.  
Yes, Occ. # \_\_\_\_\_  
Collection? If yes: \_\_\_\_\_  
Number \_\_\_\_\_ Museum / Herbarium \_\_\_\_\_

Reporter: Kyle Ince / Markel & ASSOC  
Address: 3944 Murphy Canyon Road  
Suite C106 San Diego, CA 92123  
Phone: (858) 560-5465

### Plant Information

Phenology: 100  
% vegetative % flowering % fruiting

### Animal Information

Age Structure: # adults # juveniles # unknown  
☐ breeding ☐ wintering ☐ burrow site ☐ rookery ☐ nesting ☐ other

Location (please also attach or draw map on back)

County: San Diego Landowner / Mgr.: Salvation Army  
Quad Name: San Vicente Elevation: 2,100'  
T 14S R 1 W 1/4 of NW 1/4 of Section 12 T \_\_\_\_\_ R \_\_\_\_\_ 1/4 of \_\_\_\_\_ 1/4 of Section \_\_\_\_\_  
UTM Zone: 11 (10, 11) Datum: NAD 83 (NAD83, NAD27, WGS84, other)  
Source: \_\_\_\_\_ (GPS, map & type, etc.) GPS Accuracy Point: (circle one) ☐ <80m ☐ <150m ☐ <300m  
UTM Coordinates \_\_\_\_\_

### Habitat Description (plant communities, dominants, associates, substrates/soils, aspects/slope)

• Mixed Chaparral with meta volcanic substrate  
Dominants include Ceanothus tomentosus, Ca oliganthus, Adenostoma fasciculatum.

Other rare species? - Senecio ganderi, Monardella hypoleuca ssp. lanata

Site Information Overall site quality: ☐ Excellent ☒ Good ☐ Fair ☐ Poor

Current / surrounding land use: - undeveloped

Visible disturbances / possible threats: - Along existing trail

Comments: Found in shrub understory and within trail limits

### Determination: (check one or more, and fill in blanks)

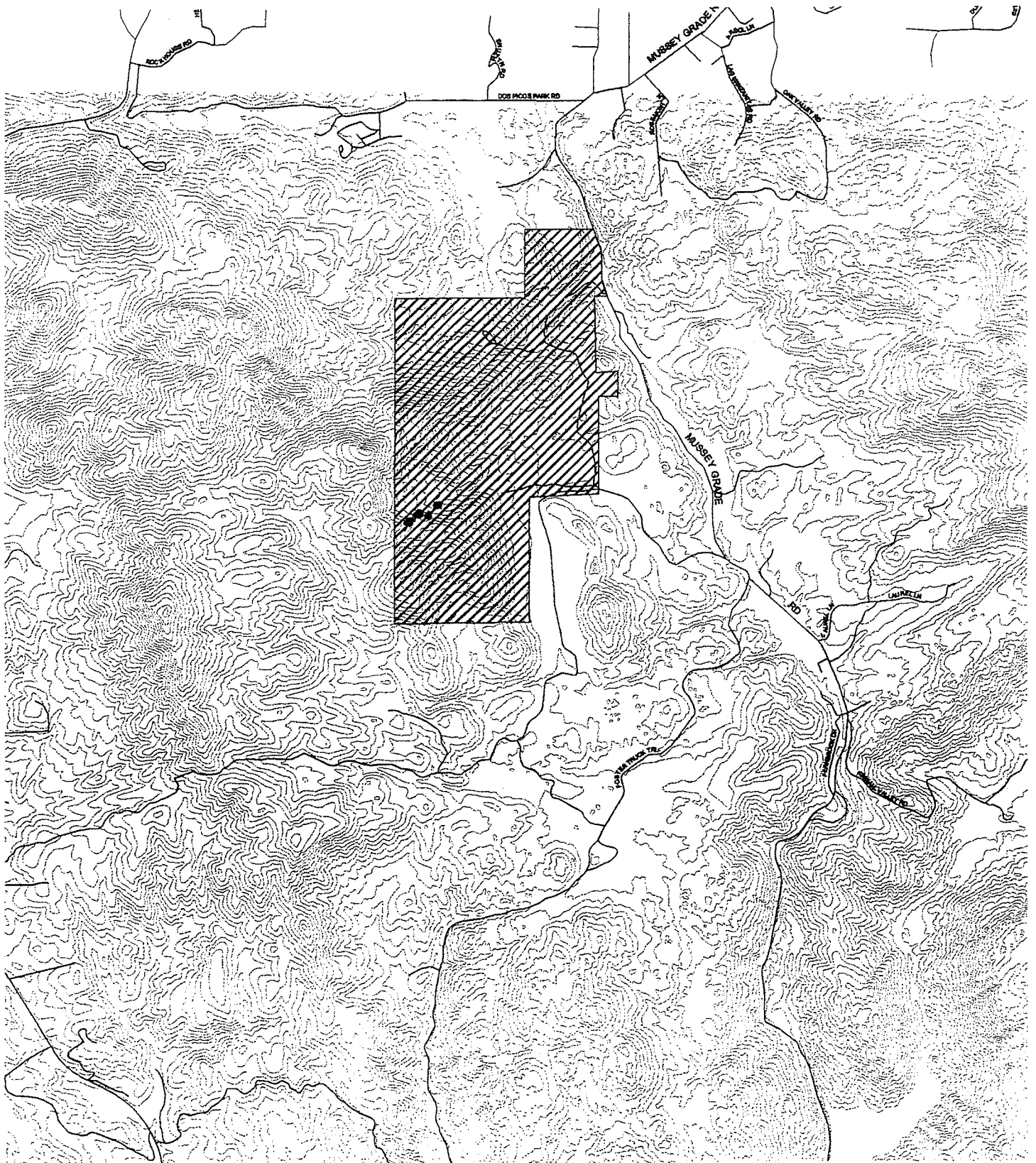
☒ Keyed (cite reference): Jepson  
☐ Compared with specimen housed at: \_\_\_\_\_  
☐ Compared with photo / drawing in: \_\_\_\_\_  
☐ By another person (name): \_\_\_\_\_  
☐ Other: \_\_\_\_\_

### Photographs: (check one or more)

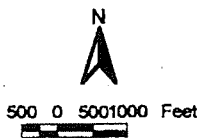
Plant / animal NW ☐ Slide ☐ Print  
Habitat ☐ ☐  
Diagnostic feature ☐ ☐

May we obtain duplicates at our expense? ☐ yes ☐ no





Merkel & Associates, Inc.



Salvation Army Camp  
Project Vicinity Map  
Source: USGS 7.5' San Vicente, CA.  
Quadrangle

Figure 1

# California Native Species Field Survey Form

Mail to:  
Natural Diversity Database  
California Department of Fish and Game  
1416 Ninth Street, 12th Floor  
Sacramento, CA 95814

For Office Use Only

Source Code \_\_\_\_\_ Quad Code \_\_\_\_\_  
Elm Code \_\_\_\_\_ Occ. No. \_\_\_\_\_  
EO Index No. \_\_\_\_\_ Map Index No. \_\_\_\_\_

Date of Field Work: 5 - 12 - 2000  
month day year

Scientific Name: Monardella hypoleuca ssp. lanata

Common Name: Eight-leaved Monardella

Species Found? ☒ yes ☐ no If not, why? \_\_\_\_\_

Total No. Individuals 75 Subsequent Visit? ☐ yes ☒ no

Is this an existing NDDB occurrence? ☒ no ☐ unk. Yes, Occ. # \_\_\_\_\_

Collection? If yes: \_\_\_\_\_  
Number Museum / Herbarium

Reporter: Kyle Ince / market Assoc.

Address: 3944 Murphy Canyon Road

Suite C106 San Diego CA 92123

Phone: (858) 560-5465

## Plant Information

Phenology: 100  
% vegetative % flowering % fruiting

## Animal Information

Age Structure: # adults # juveniles # unknown  
☐ breeding ☐ wintering ☐ burrow site ☐ rookery ☐ nesting ☐ other

Location (please also attach or draw map on back)

County: San Diego Landowner / Mgr.: Salvation Army  
Quad Name: San Vicente Elevation: 2,100'  
T14S R1 W 1/4 of NW 1/4 of Section 12 T \_\_\_\_\_ R \_\_\_\_\_ 1/4 of \_\_\_\_\_ 1/4 of Section \_\_\_\_\_  
TM: Zone: 11 (10, 11) Datum: NAD 83 (NAD83, NAD27, WG584, other)  
Source: \_\_\_\_\_ (GPS, map & type, etc.) GPS Accuracy Point: (circle one) ☐ <80m ☐ <150m ☐ <300m  
UTM Coordinates \_\_\_\_\_

## Habitat Description (plant communities, dominants, associates, substrates/soils, aspects/slope)

Mixed chaparral with metavolcanic substrate. Dominants include  
Ceanothus tomentosus, C. oliganthus, Adiantum fasciculatum

Other rare species? Senecio ganderi, Horkelia truncata

Site Information Overall site quality: ☐ Excellent ☒ Good ☐ Fair ☐ Poor

Current / surrounding land use: undeveloped

Visible disturbances / possible threats: Along existing trail

Comments: Found in shrub understory

## Determination: (check one or more, and fill in blanks)

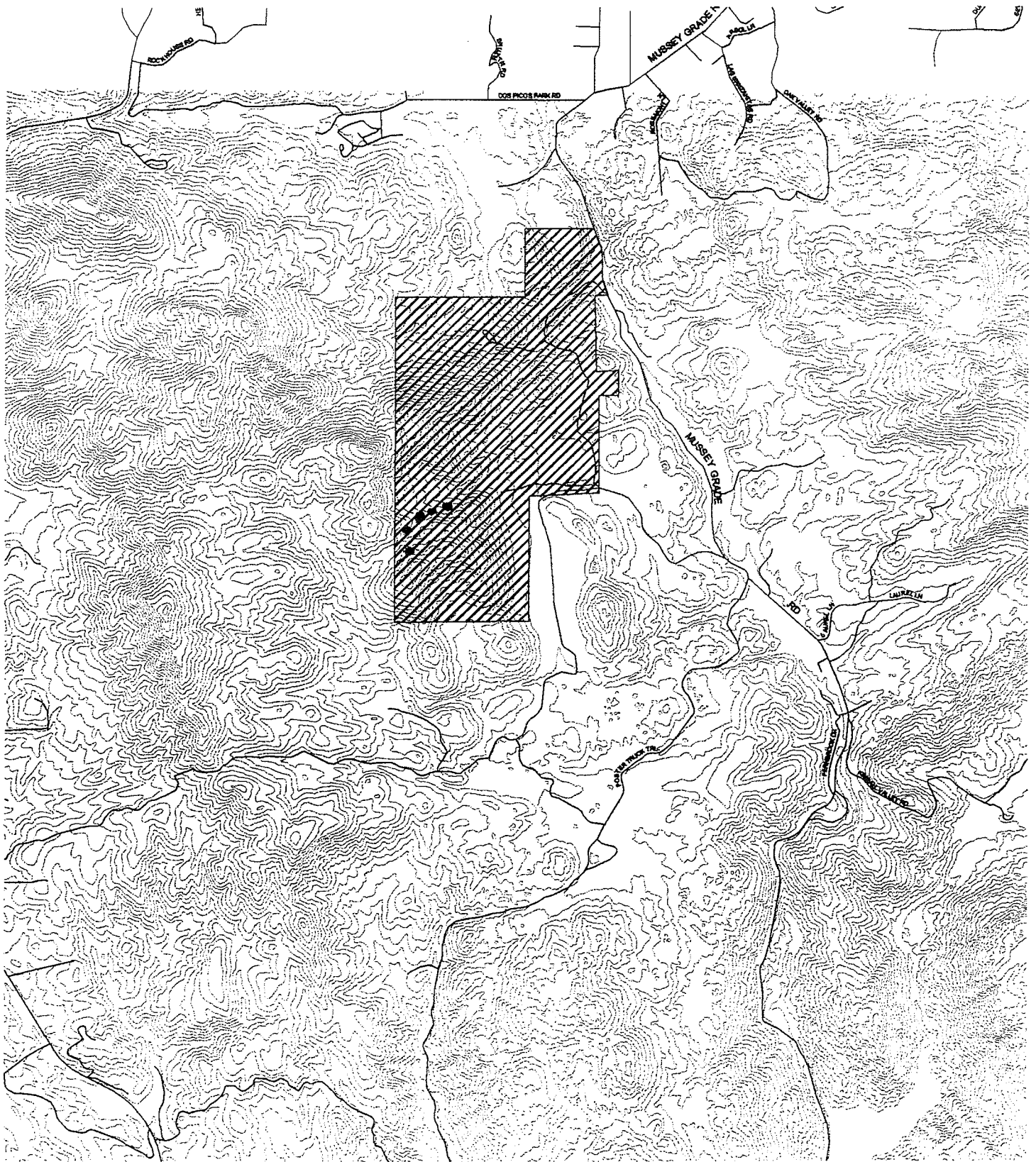
☒ Keyed (cite reference):  Jepson  
☐ Compared with specimen housed at: \_\_\_\_\_  
☐ Compared with photo / drawing in: \_\_\_\_\_  
☐ By another person (name): \_\_\_\_\_  
☐ Other: \_\_\_\_\_

## Photographs: (check one or more)

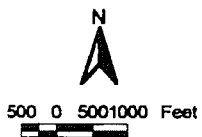
Plant / animal ☒ \* ☐ Slide ☐ Print  
Habitat ☐ ☐  
Diagnostic feature ☐ ☐

May we obtain duplicates at our expense? ☐ yes ☐ no





Markel & Associates, Inc.



Salvation Army Camp  
Project Vicinity Map  
Source: USGS 7.5' San Vicente, CA.  
Quadrangle

Figure 1

# California Native Species Field Survey Form

Mail to:  
Natural Diversity Database  
California Department of Fish and Game  
1416 Ninth Street, 12th Floor  
Sacramento, CA 95814

For Office Use Only

Source Code \_\_\_\_\_ Quad Code \_\_\_\_\_  
Elm Code \_\_\_\_\_ Occ. No. \_\_\_\_\_  
EO Index No. \_\_\_\_\_ Map Index No. \_\_\_\_\_

Date of Field Work: 04 - 21 - 1999  
month day year

Scientific Name: Phrynosoma coronatum blainvillii

Common Name: San Diego Horned Lizard

Species Found? ☒ yes ☐ no If not, why? \_\_\_\_\_  
Total No. Individuals 2 Subsequent Visit? ☒ yes ☐ no  
Is this an existing NDDDB occurrence? ☒ no ☐ unk.  
Yes, Occ. # \_\_\_\_\_  
Collection? If yes: \_\_\_\_\_  
Number \_\_\_\_\_ Museum / Herbarium \_\_\_\_\_

Reporter: Melissa Booker  
Address: 3944 Murphy Cyn Rd  
Suite 006, San Diego CA 92123  
Phone: (858) 560-5465

## Plant Information

Phenology: \_\_\_\_\_  
% vegetative \_\_\_\_\_ % flowering \_\_\_\_\_ % fruiting \_\_\_\_\_

## Animal Information

Age Structure: \_\_\_\_\_  
# adults # juveniles # unknown  
☐ breeding ☐ wintering ☐ burrow site ☐ rookery ☐ nesting ☐ other

Location (please also attach or draw map on back)

County: San Diego Landowner / Mgr.: Salvation Army  
Quad Name: San Vicente Elevation: \_\_\_\_\_  
T 148 R 1 W 1 1/4 of NW 1/4 of Section 12 T \_\_\_\_\_ R \_\_\_\_\_ 1/4 of \_\_\_\_\_ 1/4 of Section \_\_\_\_\_  
UTM Zone: 11 (10, 11) Datum: NAD83 (NAD83, NAD27, WGS84, other)  
Source: \_\_\_\_\_ (GPS, map & type, etc.) GPS Accuracy Point: (circle one) ☐ <80m ☐ <150m ☐ <300m  
UTM Coordinates \_\_\_\_\_

## Habitat Description (plant communities, dominants, associates, substrates/soils, aspects/slope)

Southern Mixed Chaparral and Southern Coast Live Oak  
Riparian Forest with openings resulting from a trail / foot path.

Other rare species? \_\_\_\_\_

Site Information Overall site quality: ☒ Excellent ☐ Good ☐ Fair ☐ Poor

Current / surrounding land use: Undeveloped + Agriculture (intensive)

Visible disturbances / possible threats: existing trail, (proposed for further development)

Comments: \_\_\_\_\_

## Determination: (check one or more, and fill in blanks)

☐ Keyed (cite reference): \_\_\_\_\_  
☐ Compared with specimen housed at: \_\_\_\_\_  
☐ Compared with photo / drawing in: \_\_\_\_\_  
☐ By another person (name): \_\_\_\_\_  
☒ Other: Visual

## Photographs: (check one or more)

Slide Print  
Plant / animal ☐ ☐  
Habitat ☐ ☒  
Diagnostic feature ☐ ☐  
May we obtain duplicates at our expense? ☒ yes ☐ no





# California Native Species Field Survey Form

Mail to:  
Natural Diversity Database  
California Department of Fish and Game  
1416 Ninth Street, 12th Floor  
Sacramento, CA 95814

## For Office Use Only

Source Code \_\_\_\_\_ Quad Code \_\_\_\_\_  
Elm Code \_\_\_\_\_ Occ. No. \_\_\_\_\_  
EO Index No. \_\_\_\_\_ Map Index No. \_\_\_\_\_

Date of Field Work: 05-25-1999  
month day year

Scientific Name: Accipiter cooperii

Common Name: Coopers Hawk

Species Found? ☒ yes ☐ no If not, why? \_\_\_\_\_  
Total No. Individuals 1 Subsequent Visit? ☒ yes ☐ no  
Is this an existing NDDDB occurrence? ☒ no ☐ unk. Yes, Occ. # \_\_\_\_\_  
Collection? If yes: \_\_\_\_\_  
Number \_\_\_\_\_ Museum / Herbarium \_\_\_\_\_

Reporter: Melissa Booker  
Address: 3944 Murphy Cyn Rd Site C106  
San Diego, CA 92123  
Phone: (658) 560-5465

## Plant Information

Phenology: \_\_\_\_\_  
% vegetative \_\_\_\_\_ % flowering \_\_\_\_\_ % fruiting \_\_\_\_\_

## Animal Information

Age Structure: 1  
# adults # juveniles # unknown  
☐ breeding ☐ wintering ☐ burrow site ☐ rookery ☐ nesting ☐ other

Location (please also attach or draw map on back)

County: San Diego Landowner / Mgr.: Salvation Army  
Quad Name: San Vicente Elevation: \_\_\_\_\_  
R 145 R 1 W 1 1/4 of NW 1/4 of Section 12 T \_\_\_\_\_ R \_\_\_\_\_ 1/4 of \_\_\_\_\_ 1/4 of Section \_\_\_\_\_  
UTM Zone: 11 (10, 11) Datum: NAD83 (NAD83, NAD27, WGS84, other)  
Source: \_\_\_\_\_ (GPS, map & type, etc.) GPS Accuracy Point: (circle one) ☐ <80m ☐ <150m ☐ <300m  
UTM Coordinates \_\_\_\_\_

Habitat Description (plant communities, dominants, associates, substrates/soils, aspects/slope)

Southern Coast Live Oak Riparian Woodland

Other rare species? \_\_\_\_\_

Site Information Overall site quality: ☐ Excellent ☒ Good ☐ Fair ☐ Poor

Current / surrounding land use: undeveloped + partially developed for Campsite

Visible disturbances / possible threats: pending development

Comments: nest previously recorded here, likely breeding habitat

Determination: (check one or more, and fill in blanks)

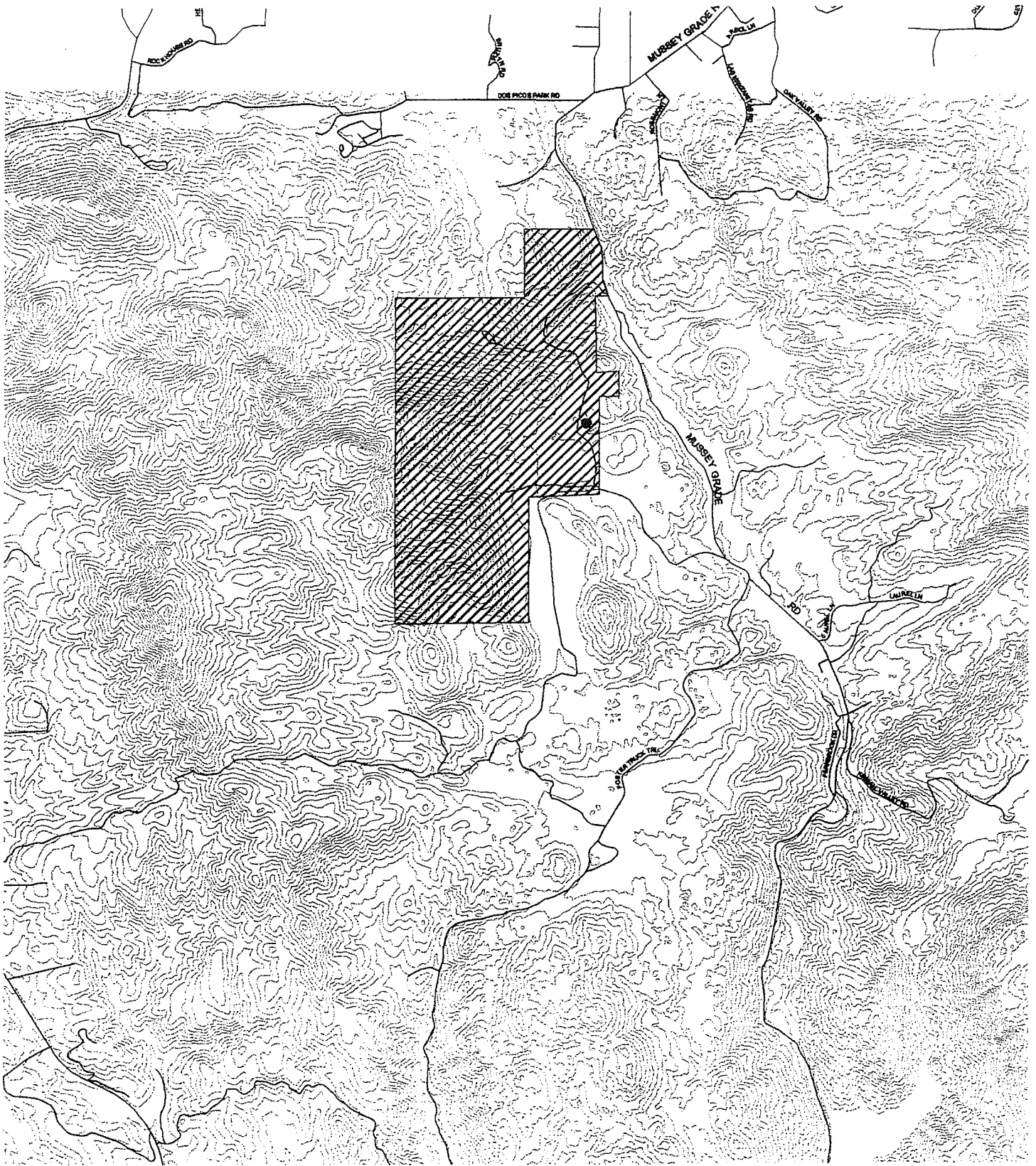
☐ Keyed (cite reference): \_\_\_\_\_  
☐ Compared with specimen housed at: \_\_\_\_\_  
☐ Compared with photo / drawing in: \_\_\_\_\_  
☐ By another person (name): \_\_\_\_\_  
☒ Other: visual

Photographs: (check one or more)

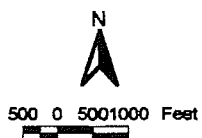
Plant / animal ☐ Slide ☐ Print  
Habitat ☐ ☐  
Diagnostic feature ☐ ☐

May we obtain duplicates at our expense? ☐ yes ☐ no





Merkel & Associates, Inc.



Salvation Army Camp  
Project Vicinity Map  
Source: USGS 7.5' San Vicente, CA.  
Quadrangle

Figure 1

## **Appendix 8**

### **CalEPPC List of Exotic Pest Plants of Greatest Ecological Concern**



The CalEPPC List:

# Exotic Pest Plants of Greatest Ecological Concern in California

October, 1999

The CalEPPC list is based on information submitted by our members and by land managers, botanists and researchers throughout the state, and on published sources. The list highlights non-native plants that are serious problems **in wildlands** (natural areas that support native ecosystems, including national, state and local parks, ecological reserves, wildlife areas, national forests, BLM lands, etc.).

## List categories include:

**List A:** Most Invasive Wildland Pest Plants; documented as aggressive invaders that displace natives and disrupt natural habitats. Includes two sub-lists; List A-1: Widespread pests that are invasive in more than 3 Jepson regions (see page 3), and List A-2: Regional pests invasive in 3 or fewer Jepson regions.

**List B:** Wildland Pest Plants of Lesser Invasiveness; invasive pest plants that spread less rapidly and cause a lesser degree of habitat disruption; may be widespread or regional.

**Red Alert:** Pest plants with potential to spread explosively; infestations currently small or localized. If found, alert CalEPPC, County Agricultural Commissioner or California Department of Food and Agriculture.

**Need More Information:** Plants for which current information does not adequately describe nature of threat to wildlands, distribution or invasiveness. Further information is requested from knowledgeable observers.

**Annual Grasses:** New in this edition; a preliminary list of annual grasses, abundant and widespread in California, that pose significant threats to wildlands. Information is requested to support further definition of this category in next List edition.

**Considered But Not Listed:** Plants that, after review of status, do not appear to pose a significant threat to wildlands.

## Plants that fall into the following categories are not included in the List:

- Plants found mainly or solely in disturbed areas, such as roadsides and agricultural fields.
- Plants that are established only sparingly, with minimal impact on natural habitats.



## 1999 List Review Committee:

**Dr. Lars W.J. Anderson,**  
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Aquatic Weed Research Lab.

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## CalEPPC List Committee:

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**Jake Sigg, President**  
California Native Plant Society

**Ellie Wagner, Botanist**  
California Dept. of Transportation

**Peter Warner,**  
**Restoration Coordinator**  
Golden Gate National Parks  
Association

The CalEPPC list is updated regularly. Please use the form provided to send comments, suggestions or new information to: **Peter Warner, 555 Magnolia Avenue, Petaluma, CA, 94952-2080**, or via email at **peterjwarner@earthlink.net**

*Thanks to all those who submitted comments for the 1999 list.*

# The California Exotic Pest Plant Council

## List A-1: Most Invasive Wildland Pest Plants; Widespread

Latin Name <sup>1</sup>	Common Name	Habitats of Concern and Other Comments	Distribution <sup>2</sup>
<i>Ammophila arenaria</i>	European beach grass	Coastal dunes	SCo,CCo,NCo
<i>Arundo donax</i>	giant reed, arundo	Riparian areas	cSNF,CCo,SCo,SnGb,D,GV
<i>Bromus tectorum</i>	cheat grass, downy brome	Sagebrush, pinyon-juniper, other desert communities; increases fire frequency	GB,D
<i>Carpobrotus edulis</i>	iceplant, sea fig	Many coastal communities, esp. dunes	SCo,CCo,NCo,SnFrB
<i>Centaurea solstitialis</i> <sup>C</sup>	yellow starthistle	Grasslands	CA-FP (uncommon in SoCal)
<i>Cortaderia jubata</i>	Andean pampas grass, jubatagrass	Horticultural; many coastal habitats, esp. disturbed or exposed sites incl. logged areas	NCo,NCoRO,SnFrB,CCo,WTR,SCo
<i>Cortaderia selloana</i>	pampas grass	Horticultural; coastal dunes, coastal scrub, Monterey pine forest, riparian, grasslands; wetlands in ScV; also on serpentine	SnFrB,SCo,CCo,ScV
<i>Cynara cardunculus</i> <sup>B</sup>	artichoke thistle	Coastal grasslands	CA-FP, esp. CCo,SCo
<i>Cytisus scoparius</i> <sup>C</sup>	Scotch broom	Horticultural; coastal scrub, oak woodlands, Sierra foothills	NW, CaRF,SNF,GV,SCo,CW
<i>Eucalyptus globulus</i>	Tasmanian blue gum	Riparian areas, grasslands, moist slopes	NCoRO,GV,SnFrB,CCo,SCoRO,SCo,nChI
<i>Foeniculum vulgare</i>	wild fennel	Grasslands; esp. SoCal, Channel Is.; the cultivated garden herb is not invasive	CA-FP
<i>Genista monspessulana</i> <sup>C</sup>	French broom	Horticultural; coastal scrub, oak woodlands, grasslands	NCoRO,NCoRI,SnFrB,CCo,SCoRO,sChI,WTR,PR
<i>Lepidium latifolium</i> <sup>B</sup>	perennial pepperweed, tall whitetop	Coastal, inland marshes, riparian areas, wetlands, grasslands; potential to invade montane wetlands	CA (except KR,D)
<i>Myriophyllum spicatum</i>	Eurasian watermilfoil	Horticultural; lakes, ponds, streams, aquaculture	SnFrB,SnJV,SNH(?); prob. CA
<i>Pennisetum setaceum</i>	fountain grass	Horticultural; grasslands, dunes, desert canyons; roadsides	Deltaic GV,CCo,SCo,SnFrB
<i>Rubus discolor</i>	Himalayan blackberry	Riparian areas, marshes, oak woodlands	CA-FP
<i>Senecio mikanioides</i> (= <i>Delairea odorata</i> )	Cape ivy, German ivy	Coastal, riparian areas, also SoCal (south side San Gabriel Mtns.)	SCo,CCo,NCo,SnFrB,SW
<i>Taeniatherum caput-medusae</i> <sup>C</sup>	medusa-head	Grasslands, particularly alkaline and poorly drained areas	NCoR,CaR,SNF,GV,SCo
<i>Tamarix chinensis</i> , <i>T. gallica</i> , <i>T. parviflora</i> & <i>T. ramosissima</i>	tamarisk, salt cedar	Desert washes, riparian areas, seeps and springs	SCo,D,SnFrB,GV,sNCoR,sSNF,Teh,SCoRI,SNE,WTR
<i>Ulex europaeus</i> <sup>B</sup>	gorse	North, central coastal scrub, grasslands	NCo,NCoRO,CaRF,n&cSNF,SnFrB,CCo

## <sup>1</sup>Noxious Weed Ratings

- F: Federal Noxious Weed, as designated by the USDA; targeted for federally-funded prevention, eradication or containment efforts.
- A: CA Dept. of Food & Agriculture, on "A" list of Noxious Weeds; agency policies call for eradication, containment or entry refusal.
- B: CA Dept. of Food & Agriculture, on "B" list of Noxious Weeds; includes species that are more widespread, and therefore more difficult to contain; agency allows county Agricultural Commissioners to decide if local eradication or containment is warranted.
- C: CA Dept. of Food & Agriculture, on "C" list of Noxious Weeds; includes weeds that are so widespread that the agency does not endorse state or county-funded eradication or containment efforts except in nurseries or seed lots.
- Q: CA Dept. of Food & Agriculture's designation for temporary "A" rating pending determination of a permanent rating.

For most species nomenclature follows *The Jepson Manual: Higher Plants of California* (Hickman, J., Ed., 1993).



# Exotic Pest Plants of Greatest Ecological Concern in California

## List A-2: Most Invasive Wildland Pest Plants; Regional

Latin Name <sup>1</sup>	Common Name	Habitats of Concern and Other Comments	Distribution <sup>2</sup>
<i>Ailanthus altissima</i>	tree of heaven	Riparian areas, grasslands, oak woodlands, esp. GV, SCo	CA-FP
<i>Atriplex semibaccata</i>	Australian saltbush	SoCal, coastal grasslands, scrub, "high marsh" of coastal salt marshes	CA (except CaR,c&sSN)
<i>Brassica tournefortii</i>	Moroccan or African mustard	Washes, alkaline flats, disturbed areas in Sonoran Desert	SW,D
<i>Bromus madritensis</i> ssp. <i>rubens</i>	red brome	Widespread; contributing to SoCal scrub, desert scrub type conversions; increases fire frequency	CA
<i>Cardaria draba</i> <sup>B</sup>	white-top, hoary cress	Riparian areas, marshes of central coast; also ag. lands, disturbed areas	Problem only in CCo
<i>Conicosia pugioniformis</i>	narrow-leaved iceplant, roundleaf iceplant	Coastal dunes, sandy soils near coast; best documented in San Luis Obispo and Santa Barbara cos.	CCo
<i>Cotoneaster pannosus</i> , <i>C. lacteus</i>	cotoneaster	Horticultural; many coastal communities; esp. North Coast, Big Sur; related species also invasive	CCo,SnFrB,NW
<i>Cytisus striatus</i>	striated broom	Often confused with <i>C. scoparius</i> ; coastal scrub, grassland	SnFrB,CCo,SCo,PR
<i>Egeria densa</i>	Brazilian waterweed	Streams, ponds, sloughs, lakes; Sacramento-San Joaquin Delta	n&sSNF,SnJV,SnFrB,SnJt,SNE
<i>Ehrharta calycina</i>	veldt grass	Sandy soils, esp. dunes; rapidly spreading on central coast	CCo,SCoRO,WTR
<i>Eichhornia crassipes</i>	water hyacinth	Horticultural; established in natural waterways, esp. troublesome in Sacramento-San Joaquin Delta	GV,SnFrB,SCo,PR
<i>Elaeagnus angustifolia</i>	Russian olive	Horticultural; interior riparian areas	SnJV,SnFrB,SNE,DMoj
<i>Euphorbia esula</i> <sup>A</sup>	leafy spurge	Rangelands in far no. CA, also reported from Los Angeles Co.	eKR,NCo,CaR,MP,SCo
<i>Ficus carica</i>	edible fig	Horticultural; Central Valley, foothill, South Coast and Channel Is. riparian woodlands	nSNF,GV,SnFrB,SCo
<i>Lupinus arboreus</i>	bush lupine	Native to SCo, CCo; invasive only in North Coast dunes	SCo,CCo,NCo
<i>Mentha pulegium</i>	pennyroyal	Santa Rosa Plain (Sonoma Co.) and Central Valley vernal pools; wetlands elsewhere	NW,GV,CW,SCo
<i>Myoporum laetum</i>	myoporum	Horticultural; coastal riparian areas in SCo	SCo,CCo
<i>Saponaria officinalis</i>	bouncing bet	Horticultural; meadows, riparian habitat in SNE, esp. Mono Basin	NW,CaRH,nSNF,SnFrB,SCoRO,SCo,PR,MP,SNE,GV
<i>Spartina alterniflora</i>	Atlantic or smooth cordgrass	S.F. Bay salt marshes; populations in Humboldt Bay believed extirpated	CCo(shores of S.F. Bay)

## <sup>2</sup>Distribution by geographic subdivisions per the Jepson Manual

CA=California	GV=Great Valley	ScV=Sacramento Valley
CA-FP=California Floristic Province	KR=Klamath Ranges	SnJV=San Joaquin Valley
CaR=Cascade Ranges	MP=Modoc Plateau	SN=Sierra Nevada
CaRF=Cascade Range Foothills	NCo=North Coast	SNE=East of SN
CCo=Central Coast	NCoRI=Inner NCo Ranges	SNF=SN Foothills
ChI=Channel Islands	NCoRO=Outer NCo Ranges	SNH=High SN
CW=Central Western CA	NW=Northwestern CA	SnFrB=San Francisco Bay Area
D=Deserts	PR=Peninsular Ranges	SnGb=San Gabriel Mtns
DMoj=Mojave Desert	SCo=South Coast	SW=Southwestern CA
DSon=Sonoran Desert	SCoRI=Inner SCo Ranges	Teh=Tehachapi Mtns
GB=Great Basin	SCoRO=Outer SCo Ranges	WTR=Western Transverse Ranges

# The California Exotic Pest Plant Council

## List B: Wildland Pest Plants of Lesser Invasiveness

Latin Name <sup>1</sup>	Common Name	Habitats of Concern and Other Comments	Distribution <sup>2</sup>
<i>Ageratina adenophora</i> <sup>F</sup>	eupatory	Horticultural; coastal canyons, coastal scrub, slopes, Marin to San Diego Co; San Gabriel Mtns.	CCo,SnFrB,SCo,SCoRO
<i>Bassia hyssopifolia</i>	bassia	Alkaline habitats	CA (except NW,SNH)
<i>Bellardia trixago</i>	bellardia	Grasslands, on serpentine, where a threat to rare natives	NCoRO,CCo,SnFrB
<i>Brassica nigra</i>	black mustard	Coastal communities, esp. fog-belt grasslands; disturbed areas	CA-FP
<i>Cardaria chalapensis</i> <sup>B</sup>	lens-podded white-top	Wetlands of Central Valley	CA
<i>Carduus pycnocephalus</i> <sup>C</sup>	Italian thistle	Grasslands, shrublands, oak woodlands	sNCo,sNCoR,SNF,CW,SCo,ScV
<i>Centaurea calcitrapa</i> <sup>B</sup>	purple starthistle	Grasslands	NW,sCaRF,SNF,GV,CW,SW
<i>Centaurea melitensis</i>	tocalote, Malta starthistle	Widespread; sometimes misidentified as <i>C. solstitialis</i> ; perhaps a more serious invader than currently recognized	CA-FP,D
<i>Cirsium arvense</i> <sup>B</sup>	Canada thistle	Especially troublesome in riparian areas	CA-FP
<i>Cirsium vulgare</i>	bull thistle	Riparian areas, marshes, meadows	CA-FP,GB
<i>Conium maculatum</i>	poison hemlock	Mainly disturbed areas but may invade wildlands; known to poison wildlife; early expanding stage in many areas, esp. San Diego Co. riparian, oak understory	CA-FP
<i>Crataegus monogyna</i>	hawthorn	Horticultural; recent invader, colonizing healthy native forest around Crystal Springs reservoir on S.F. peninsula	SnFrB,CCo,NCo,NCoR
<i>Ehrharta erecta</i>	veldt grass	Wetlands, moist wildlands; common in urban areas; potential to spread rapidly in coastal, riparian, grassland habitats	SnFrB,CCo,SCo
<i>Erechtites glomerata</i> , <i>E. minima</i>	Australian fireweed	Coastal woodlands, scrub, NW forests, esp. redwoods	NCo,NCoRO,CCo,SnFrB,SCoRO
<i>Festuca arundinacea</i>	tall fescue	Horticultural (turf grass); coastal scrub, grasslands in NCo, CCo	CA-FP
<i>Hedera helix</i>	English ivy	Horticultural; invasive in coastal forests, riparian areas	CA-FP
<i>Holcus lanatus</i>	velvet grass	Coastal grasslands, wetlands in No. CA	CA exc. Dson
<i>Hypericum perforatum</i> <sup>C</sup>	Klamathweed, St. John's wort	Redwood forests, meadows, woodlands; invasion may occur due to lag in control by established biocontrol agents	NW,CaRH,n&cSN,ScV,CCo,SnFrB,PR
<i>Ilex aquifolium</i>	English holly	Horticultural; coastal forests, riparian areas	NCoRO,SnFrB,CCo
<i>Iris pseudacorus</i>	yellow water iris, yellow flag	Horticultural; riparian, wetland areas, esp. San Diego, Los Angeles cos.	SnFrB,CCo,sSnJV,SCo
<i>Leucanthemum vulgare</i>	ox-eye daisy	Horticultural; invades grassland, coastal scrub	KR,NCoRO,n&cSNH,SnFrB,WTR,PR
<i>Mesembryanthemum crystallinum</i>	crystalline iceplant	Coastal bluffs, dunes, scrub, grasslands; concentrates salt in soil	NCo,CCo,SCo,ChI
<i>Myriophyllum aquaticum</i>	parrot's feather	Horticultural; streams, lakes, ponds	NCo,CaRF,CW,SCo
<i>Olea europaea</i>	olive	Horticultural and agricultural; reported as invasive in riparian habitats in Santa Barbara, San Diego	NCoR,NCoRO,CCo,SnFrB,SCoRO,SCo
<i>Phalaris aquatica</i>	Harding grass	Coastal sites, esp. moist soils	NW,cSNF,CCo,SCo
<i>Potamogeton crispus</i>	curlyleaf pondweed	Scattered distribution in ponds, lakes, streams	NCoR,GV,CCo,SnFrB,SCo,ChI,SnGb,SnBr,DmJ
<i>Ricinus communis</i>	castor bean	SoCal coastal riparian habitats	GV,SCo,CCo
<i>Robinia pseudoacacia</i>	black locust	Horticultural; riparian areas, canyons; native to eastern U.S.	CA-FP,GB
<i>Schinus molle</i>	Peruvian pepper tree	Horticultural; invasive in riparian habitats in San Diego, Santa Cruz Is.	SNF,GV,CW,SW,Teh



# Exotic Pest Plants of Greatest Ecological Concern in California

## List B: Continued

Latin Name <sup>1</sup>	Common Name	Habitats of Concern and Other Comments	Distribution <sup>2</sup>
<i>Schinus terebinthifolius</i>	Brazilian pepper	Horticultural; riparian areas	sSCo
<i>Senecio jacobaea</i> <sup>B</sup>	tansy ragwort	Grasslands; biocontrol agents established	NCo,wKR,s&wCaR, nSNF, nScV,SW
<i>Spartium junceum</i>	Spanish broom	Coastal scrub, grassland, wetlands, oak woodland, NW forests, esp. redwoods; also roadcuts	NCoRO,ScV,SnFrB, SCoRO,SCo,sChI,WTR
<i>Verbascum thapsus</i>	woolly or common mullein	SNE meadows, sagebrush, pinyon-juniper woodlands; shores of Boggs Lake (Lake Co.)	CA
<i>Vinca major</i>	periwinkle	Horticultural; riparian, oak woodland, other coastal habitats	NCoRO,SnFrB, CCo, sSCoRO,SCo

## Red Alert: Species with potential to spread explosively; infestations currently restricted

Latin Name <sup>1</sup>	Common Name	Habitats of Concern and Other Comments	Distribution <sup>2</sup>
<i>Alhagi pseudalhagi</i> <sup>A</sup>	camel thorn	Noxious weed of arid areas; most infestations in California have been eradicated	GV,sSNE,D
<i>Arctotheca calendula</i> <sup>A</sup>	Capeweed	Seed-producing types are the problem; most are vegetative only	NCo,SnFrB,CCo
<i>Centaurea maculosa</i> <sup>A</sup>	spotted knapweed	Riparian, grassland, wet meadows, forest habitats; contact CA Food & Ag if new occurrences found	CaR,SN,nScV,nCW,MP, nSNE,sPR,NW
<i>Crupina vulgaris</i> <sup>F,A</sup>	bearded creeper, common crupina	Aggressively moving into wildlands, esp. grassland habitats	NCoR (Sonoma Co.),MP
<i>Halogeton glomeratus</i> <sup>A</sup>	halogeton	Noxious weed of Great Basin rangelands; report locations to CA Food & Ag; goal is exclusion from CA	GB
<i>Helichrysum petiolare</i>	licorice plant	North coastal scrub; one population on Mt. Tamalpais, w. Marin Co.	Not in Jepson
<i>Hydrilla verticillata</i> <sup>F,A</sup>	hydrilla	Noxious water weed; report locations to CA Food & Ag; eradication program in place; found in Clear Lake (Lake Co.) in 1994	NCoRI,n&cSNF,ScV,SCo,D
<i>Lythrum salicaria</i> <sup>B</sup>	purple loosestrife	Horticultural; noxious weed of wetlands, riparian areas	sNCo,NCoRO,nSNF,ScV, SnFrB,nwMP
<i>Ononis alopecuroides</i> <sup>Q</sup>	foxtail restharrow	Eradication efforts underway in San Luis Obispo Co.; to be looked for elsewhere in CA	CCo; not in Jepson
<i>Retama monosperma</i>	bridal broom	First noted at Fallbrook Naval Weapons Station, San Diego Co; could rival other invasive brooms	San Diego Co.; not in Jepson
<i>Salvinia molesta</i> <sup>F</sup>	giant waterfern	Ponds, lakes, reservoirs, canals	Napa, Sonoma cos., lower Colorado River; not in Jepson
<i>Sapium sebiferum</i>	Chinese tallow tree	Horticultural; riparian, wetland habitats, open areas and understory	ScV,SnFrB; not in Jepson
<i>Sesbania punicea</i>	scarlet wisteria tree	Horticultural; riparian areas; American River Parkway, Sacramento Co., Suisun Marsh, San Joaquin River Parkway	ScV,SnJV; not in Jepson
<i>Spartina anglica</i>	cord grass	Scattered in S.F. Bay	Not in Jepson
<i>Spartina densiflora</i>	dense-flowered cord grass	Scattered in S.F. Bay, Humboldt Bay salt marshes	CCo,NCo
<i>Spartina patens</i>	salt-meadow cord grass	One site in S.F. Bay, also Siuslaw Estuary, OR and Puget Sound, WA	CCo

# The California Exotic Pest Plant Council

## Need More Information

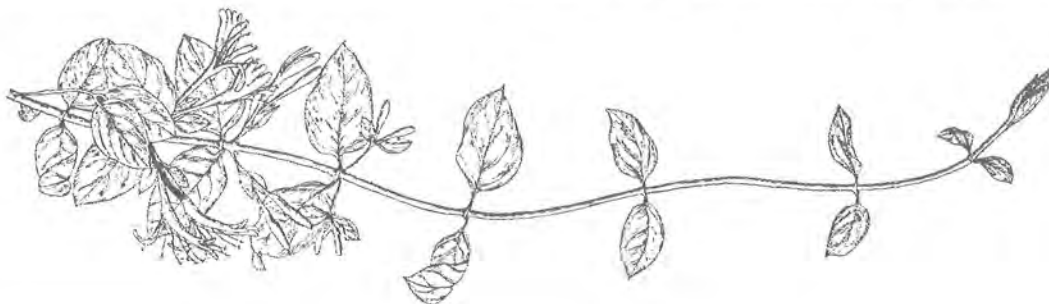
Latin Name <sup>1</sup>	Common Name	Habitats of Concern and Other Comments	Distribution <sup>2</sup>
<i>Acacia dealbata</i>	silver wattle	Aggressive in natural areas?	SnFRB, SCoRO, SCoRI, CCo
<i>Acacia decurrens</i>	green wattle	Sometimes confused with <i>A. dealbata</i> ; aggressive in natural areas?	Unknown
<i>Acacia melanoxylon</i>	blackwood acacia	Reported from S.F. Bay area, central coast, Santa Cruz Is.; spreads slowly; other areas?	SnFrB, SCoRO, SCo, CCo
<i>Aeschynomene rudis</i> <sup>B</sup>	rough jointvetch	Princeton area, Colusa Co.; pest of rice crops; potential threat to riparian, wetland habitats?	ScV
<i>Agrostis avenacea</i>	Pacific bentgrass	Invading vernal pools in San Diego area; attempts at manual eradication unsuccessful so far; problem in other areas?	sNCo, sNCoR, SNF, GV, CW, nSCo
<i>Aptenia cordifolia</i>	red apple	Habitats where invasive?	CCo, SCo, sChI
<i>Asphodelus fistulosus</i>	asphodel	Common in SCo highway rights-of-way, other disturbed sites; threats to wildlands?	sSnJV, SCo
<i>Carduus acanthoides</i> <sup>A</sup>	giant plumeless thistle	Threatens wildlands?	NCoRI, nSN, SnFrB, nSCoRO, MP
<i>Cistus ladanifer</i>	gum cistus	Horticultural; invades coastal sage scrub, chaparral; areas where problematic?	sCCo, SnGb
<i>Cordyline australis</i>	New Zealand cabbage	Infestation at Salt Point State Park; bird-dispersed; other problem areas?	Not in Jepson
<i>Cotoneaster</i> spp. (exc. <i>C. pannosus</i> , <i>C. lacteus</i> )	cotoneaster	Horticultural; bird-distributed; which species are problems in wildlands?	Unknown
<i>Cupressus macrocarpa</i>	Monterey cypress	Native only to Monterey Peninsula; planted and naturalized CCo, NCo; threat to wildlands?	CCo
<i>Descurainia sophia</i>	flixweed, tansy mustard	Entering Mojave wildlands through washes; threat to wildlands?	CA
<i>Dimorphotheca sinuata</i>	African daisy, Cape marigold	Horticultural; reported as invasive in w. Riverside Co., Ventura Co.; problem elsewhere?	SnJV, SCoRO, SCo, PR
<i>Echium candicans</i> , <i>E. pininana</i>	pride of Madeira, pride of Teneriffe	Horticultural; riparian, grassland, coastal scrub communities; spreads by seed	CCo, SnFrB, SCo, sNCo
<i>Ehrharta longiflora</i>	veldt grass	Reported from San Diego	Not in Jepson
<i>Erica lusitanica</i>	heath	Threat to wildlands?	NCo (Humboldt Co.)
<i>Euphorbia lathyris</i>	caper spurge, gopher plant	Invades coastal scrub, marshes, dunes; Sonoma, Marin cos.; threat to wildlands?	NCo, CCo, GV, SCo
<i>Gazania linearis</i>	gazania	Horticultural; invades grassland in S.F., coastal scrub?	CCo, SCo
<i>Glyceria declinata</i>		Although reported from Central Valley vernal pools, genetic research is needed to confirm identity; plants that have been called <i>G. declinata</i> key in Jepson to native <i>G. occidentalis</i>	Uncertain; not in Jepson
<i>Hedera canariensis</i>	Algerian ivy	Horticultural; invasive in riparian areas in SoCal?	Not in Jepson
<i>Hirschfeldia incana</i>	Mediterranean or short-pod mustard	Increasing in western, southern Mojave; threat to wildlands?	NCo, SNF, GV, CW, SCo, DMoj
<i>Hypericum canariense</i>	Canary Island hypericum	Reported in San Diego area, coastal sage scrub, grassland; threat to wildlands?	SCo
<i>Hypochaeris radicata</i>	rough cat's-ear	Widespread in coastal grasslands, wetlands; threat to wildlands?	NW, CaRF, nSNF, ScV, CW, SCo
<i>Isatis tinctoria</i> <sup>B</sup>	dyers' woad	Well-known invader in Utah; threat to wildlands?	KR, CaR, nSNH, MP
<i>Ligustrum lucidum</i>	glossy privet	Horticultural; spreading rapidly on Mendocino coast; problem in other areas?	NCo; not in Jepson
<i>Limonium ramosissimum</i> ssp. <i>provinciale</i>	sea lavender	Reported spreading in Carpinteria Salt Marsh; problem in other areas?	Not in Jepson



# Exotic Pest Plants of Greatest Ecological Concern in California

## Need More Information: Continued

Latin Name <sup>1</sup>	Common Name	Habitats of Concern and Other Comments	Distribution <sup>2</sup>
<i>Ludwigia uruguayensis</i> (= <i>L. hexapetala</i> )	water primrose	Invasive in aquatic habitats; non-native status questioned?	NCo,sNCoRO,CCo, SnFrB,SCo
<i>Malephora crocea</i>	ice plant	Invades margins of wetlands, bluffs along SCo	CCo,SCo,sChl
<i>Maytenus boaria</i>	mayten	Horticultural; scattered in riparian forests, ScV; east SnFrB	ScV,SnFrB
<i>Mesembryanthemum nodiflorum</i>	slender-leaved iceplant	Abundant on Channel Islands; invades wetlands; habitats where problematic?	SnFrB,SCo,Chl
<i>Nicotiana glauca</i>	tree tobacco	Disturbed places; not very competitive with natives in coastal scrub, chaparral; spreading along Putah Creek (Yolo Co.); problems elsewhere?	NCoRI,c&sSNF, GV,CW,SW,D
<i>Oxalis pes-caprae</i>	Bermuda buttercup	Invades disturbed sites; invasive in undisturbed habitats?	NCo,NCoRO,CCo, SnFrB,SCoRO,SCo
<i>Parentucellia viscosa</i>		Threat to NCo (Humboldt Co.) dune swales?	NCo,NCoRO,CCo,SCo
<i>Passiflora caerulea</i>		Horticultural; reported from SoCal; threat to wildlands?	SCo; not in Jepson
<i>Pennisetum clandestinum</i> <sup>FC</sup>	Kikuyu grass	Disturbed sites, roadsides; threat to wildlands?	NCo,CCo,SnFrB,SCo, Santa Cruz Is.
<i>Phyla nodiflora</i>	mat lippia	Most varieties in CA are native; taxonomy unclear; status of plants in vernal pools, wetlands?	NW(except KR,NCoRH), GV,CCo,SnFrB,SCo, PR,Dson
<i>Pinus radiata</i> cultivars	Monterey pine	Cultivars invading native Monterey, Cambria forests, where spread of pine pitch canker is a concern	CCo
<i>Piptatherum miliaceum</i>	smilo grass	Aggressive in SoCal creeks, canyons; threats to wildlands?	NCo,GV,CW,SCo
<i>Pistacia chinensis</i>	Chinese pistache	Horticultural; invades riparian areas and woodlands in ScV	ScV
<i>Prunus cerasifera</i>	cherry plum	Oak woodland, riparian areas; esp. Marin, Sonoma cos.; bird-distributed; problems elsewhere?	SnFrB,CCo
<i>Pyracantha angustifolia</i>	pyracantha	Horticultural; spreads from seed in S.F. Bay area; bird-distributed; problem elsewhere?	sNCoRO,CCo,SnFrB, SCo
<i>Salsola soda</i>	glasswort	Threat to salt marshes?	nCCo,SnFrB
<i>Salsola tragus</i> <sup>C</sup>	Russian thistle, tumbleweed	Abundant in dry open areas in w. Mojave Desert, Great Basin; not limited to disturbed sites; threats?	CA
<i>Salvia aethiopis</i> <sup>B</sup>	Mediterranean sage	Creates monocultures in E. Oregon grasslands; threat to CA wildlands?	MP
<i>Stipa capensis</i>		Distribution and threats?	Not in Jepson
<i>Tamarix aphylla</i>	athel	Spreading in Salton Sea area; threats to wildlands?	nSnJV,nSCo,D
<i>Tanacetum vulgare</i>	common tansy	Jepson reports as uncommon, escape from cultivation in urban areas; problem in wildlands?	NCo,NCoRO,CaRH, SCoRO
<i>Verbena bonariensis</i> , <i>V. litoralis</i>	tall vervain	Horticultural; invades riparian forests, wetlands; extensive along ScV riparian corridors; roadsides (Yuba Co.); elsewhere?	ScV,nSnJV,nSnFrB,CCo



# The California Exotic Pest Plant Council

## Annual Grasses

Latin Name <sup>1</sup>	Common Name	Habitats of Concern and Other Comments	Distribution <sup>2</sup>
<i>Aegilops triuncialis</i> <sup>B</sup>	barbed goatgrass	Serpentine soils, grasslands	sNCoR, CaRF, n&cSNF, ScV, nCW
<i>Avena barbata</i>	slender wild oat	Lower elev. in SoCal; coastal slopes, coastal sage scrub, disturbed sites	CA-FP, MP, DMoj
<i>Avena fatua</i>	wild oat	Lower elev. in SoCal; coastal slopes, coastal sage scrub on deeper soil, disturbed sites	CA-FP, MP, DMoj
<i>Brachypodium distachyon</i>	false brome	Expanding in SoCal; common in Orange Co.	sNCoR, sCaRF, SNF, GV, CW, SCo, sChI
<i>Bromus diandrus</i>	ripgut brome	Coastal dunes, coastal sage scrub, grasslands	CA
<i>Lolium multiflorum</i>	Italian ryegrass	Wetland areas, esp. vernal pools in San Diego Co.; common in disturbed sites	CA-FP
<i>Schismus arabicus</i>	Mediterranean grass	Threat to Mojave and Colorado desert shrublands?	SnJV, CW, sChI, D
<i>Schismus barbatus</i>	Mediterranean grass	Threat to Mojave and Colorado desert shrublands?	SnJV, SW, D

## Considered, but not listed

Latin Name <sup>1</sup>	Common Name	Habitats of Concern and Other Comments
<i>Albizia lophantha</i>	plume acacia	Not invasive
<i>Anthoxanthum odoratum</i>	sweet vernal grass	Disturbed sites on coast; Marin, Sonoma, Mendocino cos.
<i>Carpobrotus chilensis</i>	sea fig	Native status in question; not a threat to wildlands
<i>Centranthus ruber</i>	red valerian	Horticultural; roadcuts in Marin Co.; not a threat to wildlands
<i>Convolvulus arvensis</i> <sup>C</sup>	field bindweed	Disturbed sites; ag lands
<i>Coprosma repens</i>	mirror plant	No evidence of wildland threat
<i>Crocosmia x crocosmiiflora</i>		Generally in disturbed coastal, urban areas, roadsides
<i>Digitalis purpurea</i>	foxglove	Horticultural; scattered in prairies, meadows, disturbed sites; not a major wildland threat
<i>Dipsacus sativus</i> , <i>D. fullonum</i>	wild teasel, Fuller's teasel	Roadsides, disturbed sites
<i>Fumaria officinalis</i> , <i>F. parviflora</i>	fumitory	S.F. Bay area, Monterey Bay salt marshes, sandy disturbed sites
<i>Medicago polymorpha</i>	California bur clover	Grasslands, moist sites; mainly restricted to disturbed sites
<i>Melilotus officinalis</i>	yellow sweet clover	Restricted to disturbed sites in CA
<i>Nerium oleander</i>	oleander	Horticultural; not invasive, although reported from riparian areas in Central Valley, San Bernardino Mtns.
<i>Picris echioides</i>	bristly ox-tongue	Disturbed areas
<i>Silybum marianum</i>	milk thistle	Disturbed areas, especially overgrazed moist pasturelands; may interfere with restoration
<i>Xanthium spinosum</i>	spiny cocklebur	Identified as native in <i>The Jepson Manual</i> (Hickman, 1993) and <i>A California Flora</i> (Munz and Keck, 1968); restricted to disturbed areas
<i>Zantedeschia aethiopica</i>	calla lily	Horticultural; mainly a garden escape in wet coastal areas
<i>Zoysia cultivars</i>	Amazoy and others	Horticultural; no evidence of wildland threat



## Request for Information: Exotic Pest Plants of Greatest Ecological Concern in CA

Please use this form to propose adding a new plant to the CalEPPC list or to provide other comments. Please provide as much detail as possible. Use the second side of this form or attach additional sheets if more space is needed. Please mail completed form to: **Peter Warner, 555 Magnolia Avenue, Petaluma, CA, 94952-2080**. Comments can be submitted by email to [peterjwarner@earthlink.net](mailto:peterjwarner@earthlink.net)

Species Name: \_\_\_\_\_

Does this weed displace healthy native communities, or is it mainly restricted to disturbed sites like roadsides, agricultural areas, etc.? \_\_\_\_\_

In which region(s) of California does this weed infest wildlands? Indicate county(ies) and/or Jepson regions (see page 3). \_\_\_\_\_

Which native communities does it infest? \_\_\_\_\_

List any rare plants, animals or communities threatened by this weed: \_\_\_\_\_

How does it spread? (Seeds carried by wind, birds, other animals; vegetative runners?) \_\_\_\_\_

Is this plant a recent invader of California wildlands? Ideas about how it got here? \_\_\_\_\_

Is this plant sold by nurseries, or used in landscaping, restoration or other activities that might lead to its further spread in wildlands? \_\_\_\_\_

Describe any techniques that have been used to eradicate this plant. Have they been successful? If not, why is the plant difficult to eradicate? \_\_\_\_\_

Other comments? \_\_\_\_\_

Name: \_\_\_\_\_ Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ FAX: \_\_\_\_\_ email: \_\_\_\_\_

## Request for Information: Exotic Pest Plants of Greatest Ecological Concern in CA

[illegible]



## The California Exotic Pest Plant Council

### Who We Are:

Throughout California, natural wildlands and parks are under attack from invasive pest plants. As natural habitat is replaced by exotic plants, we also lose many of the state's native birds, insects, fish and other wildlife species. People concerned with the protection, management and enjoyment of our natural areas have become increasingly alarmed about the spread of invasive exotic vegetation. Since its formation in 1992, CalEPPC has been dedicated to finding solutions to problems caused by non-native pest plant invasions of the state's natural areas. The objectives of CalEPPC are to:

- provide a focus for issues and concerns regarding exotic pest plants in California;
- facilitate communication and the exchange of information regarding all aspects of exotic pest plant control and management;
- provide a forum where all interested parties may participate in meetings and share in the benefits from the information generated by this council;
- promote public understanding regarding exotic pest plants and their control;
- serve as an advisory council regarding funding, research, management and control of exotic pest plants;

- facilitate action campaigns to monitor and control exotic pest plants in California; and
- review incipient and potential pest plant management problems and activities and provide relevant information to interested parties.

### What We Do:

#### CalEPPC:

- Holds an annual statewide symposium;
- Co-sponsors regional workshops on control of problem wildland weeds;
- Publishes a quarterly newsletter with timely, practical information;
- Maintains an informative web site at [www.caleppc.org](http://www.caleppc.org)
- Sponsors rigorous experiments on control methods for French broom, German ivy, pampas grass and other invasive pest plants;
- Advances public and professional awareness of wildland weed problems and solutions by sponsoring illustrated brochures and a soon-to-be published book on California's worst wildland weeds;
- Is recognized as an authoritative source of new information on all aspects of wildland weed management.

## 1999 CalEPPC Membership Form

If you would like to join CalEPPC, please remit your calendar dues using the form provided below. All members will receive the CalEPPC newsletter, be eligible to join CalEPPC working groups, be invited to the annual symposium and participate in selecting future board members. Your personal involvement and financial support are the keys to success. Additional contributions by present members are welcomed!

#### Individual

- ☐ Low Income/Student\* \$15.00
- ☐ Regular \$25.00
- ☐ Family \$40.00
- ☐ Contributing \$50.00
- ☐ Sustaining \$100.00
- ☐ Lifetime \$1000.00

#### Institutional

- N/A
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- Contributing \$250.00
- Patron \$500.00
- Sustaining \$1000.00

Please make an additional contribution in my name to:

Student/Low Income membership: \$ \_\_\_\_\_

Cape Ivy Biocontrol Fund: \$ \_\_\_\_\_

Please make your check payable to **CalEPPC** and mail with this application form to:

CalEPPC Membership  
c/o Sally Davis  
32912 Calle del

Name \_\_\_\_\_

Affiliation \_\_\_\_\_

Address \_\_\_\_\_

City/State/Zip \_\_\_\_\_

Office Phone \_\_\_\_\_

Home Phone \_\_\_\_\_

Fax \_\_\_\_\_

email \_\_\_\_\_

*\* Students, please include current registration and/or class schedule*

The California Exotic Pest Plant Council is a California 501(c)3 non-profit, public benefit corporation organized to provide a focus for issues and concerns regarding exotic pest plants in California, and is recognized under federal and state tax laws as a qualified donee for tax deductible charitable contributions.

The CalEPPC List:

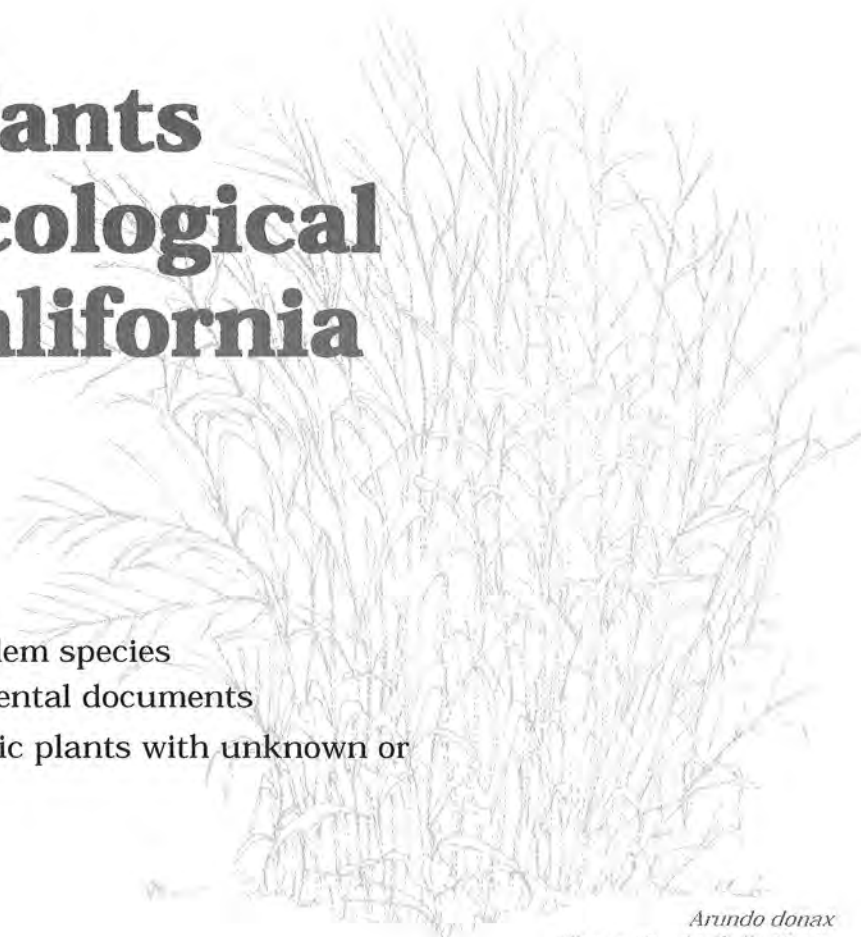
# Exotic Pest Plants of Greatest Ecological Concern in California

October, 1999

## Potential uses for this list:

- Informing the public
- Targeting species for control efforts
- Alerting restorationists to potential problem species
- Aiding those who comment on environmental documents
- Soliciting additional information on exotic plants with unknown or changing status

**NOT FOR RESALE**



*Arundo donax*

Illustration by Sally Davis

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**Appendix 9**

**Report of Presence/Absence Trapping Surveys for  
Stephens' Kangaroo Rat**

Presence/Absence Trapping Surveys  
for Stephens Kangaroo Rat  
Salvation Army Mussey Grade Project  
Ramona, California



Prepared for

Merkel and Associates Inc.

February 2, 2001

Prepared By

Philippe Vergne, ENVIRA, 23849 Gymkhana Road, Ramona, CA  
Phone/fax 760-788-0450 E-mail PVERGNE@ATTMAIL.COM



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Figure 1. Project Vicinity Map

Figure 2. Project Site and Trapping Locations

Table 1. Trapping Results

Pictures 1-4 Project Site Photos

## EXECUTIVE SUMMARY

Philippe Vergne was contracted by Merkel and Associates Inc, to conduct trapping surveys for the proposed salvation Army development project. The trapping surveys were required due to the potential presence on the property of the Stephens' kangaroo rat- SKR (*Dipodomys stephensi*).

Following is a report describing the results of a field survey and habitat assessment for Stephens' kangaroo rats on the above-described property. The report is a summary of a walk-over phase one survey performed in December of 2000, and trapping surveys performed on January 14 to 18 of 2001, by Philippe Vergne, a certified SKR biologists.

Based on the available information and site conditions, there was a good probability that the SKR might occur on the proposed project site. Therefore after completing an initial walkover survey, during which kangaroo rat sign was found, the site was than trapped according to standard protocols developed for SKR. Through trapping it was possible to verify the absence of SKR in those areas which initially exhibited potential habitat and kangaroo rat sign. No SKR were captured during the trapping survey and therefore the site is currently not occupied by SKR.

## PROJECT DESCRIPTION

The Salvation Army Divisional Camp (SADC) occupies an estimated 680 acres located to the west of Mossey grade Road in the town of Ramona in San Diego County, California (Figure 1). The proposed project, will impact portions of some of the 70 acres of disturbed annual grasslands located within the SADC. The SADC property is located in Section 1, T 14 south, R 1 west, of the USGS 7.5" San Vincente Reservoir Quadrangle. The project calls for the development of a cafeteria, cabins and related facilities.

## METHODS

### Stephens Kangaroo Rat

The Stephens' kangaroo rat is one of several kangaroo rat species in its range. The Dulzura (*Dipodomys simulans*), the Pacific kangaroo rat (*Dipodomys agilis*) and the Stephens kangaroo rat (*Dipodomys stephensi*) occur in overlapping ranges in southern California.

The Stephens kangaroo (SKR) rat prefers open areas with sparse perennial cover (Lackey 1967, Bleich 1977, Thomas 1975). They occur in areas of loose soil where the soil depth is at least 0.5 meters (Price and Endo, 1989). SKR will also inhabit disturbed areas such as fallow fields by using the burrows of other rodents, including pocket gophers (*Thomomys bottae*) (Bleich 1977) and the Beechey ground squirrel (*Spermophilus beecheyi*) (O'Farrell 1989).

Like all kangaroo rats, the SKR is primarily a seed eater, feeding on the seeds of both annual and shrub species. It also feeds on green vegetation and insects when these are available. Being primarily dry biome species kangaroo rats obtains nearly all of their water from the food they eat, and can subsist indefinitely on water extracted from dry seeds. They forages in open ground and underneath shrubs. Burrows are dug in loose soil.

The site was searched for characteristic kangaroo rat sign such as scat, tracks, burrows and dustbowls.

### Habitat Evaluation Surveys

We conducted a preliminary phase one walkover survey of the site to determine the habitat types on site and identify potential habitat for the kangaroo rat. Kangaroo rat sign was observed in much of the disturbed annual grasslands and sparse scrub habitat on the site. During the reconnaissance survey it was determined that there was potential habitat for both the Dulzura and Stephens' kangaroo rats on the property (Sullivan and Best, 1997).



The species present in such marginal areas is difficult to estimate due to the likely presence of the Dulzura kangaroo rat (formerly the Pacific kangaroo rats (Dipodomys agilis - PKR)). Both the Dulzura and Pacific kangaroo rats are known to occasionally inhabit open grasslands more characteristic of SKR, while SKR are infrequently known to inhabit areas of denser vegetation. Therefore, verifiable assessments as to occupation and potential densities by SKR in many areas of the site required trapping. Trapping is often the only definitive method of confirming the presence, distribution, and abundance of SKR in areas where they are sympatric with other kangaroo rat species.

As part of the habitat assessment, we conducted a focused evaluation of the on site habitats and kangaroo rat sign in order to identify the most suitable trap sites. We also recorded the various plant communities and condition of the habitats on site. Based on the survey findings, we selected six areas for trapping (Figure Two).

### Trapping Surveys

Trapping was conducted according to protocols established for the SKR. The protocol calls for five nights of trapping, conducted when the animal is active above-ground at night and preferably during a new moon phase. The trapping session lasted from January 14 to 19, 2001.

We placed the traps in suitable habitat areas on the project, concentrating on locating traps in areas containing soils and vegetation suitable for the SKR. Areas with kangaroo rat sign were also targeted. All trap locations were flagged to ensure the same trap sites were trapped each night. Each trap was baited with a mixture of bird seed and rolled oats, placed at the back of the traps. The traps we reopened at dusk each night and inspected at night and dawn each morning. All animals were identified and released at the point of capture.

Notes were recorded on the habitats, soils and other relevant characteristics where the traps were placed. We also noted the weather conditions at the time of the trapping surveys.

## RESULTS

### Topography

Topography of the site is primarily gently sloping terrain, surrounded by steeper hills and rocky outcrops. On site elevation ranges from 1290 to 1600 feet in the disturbed annual grasslands to over 2000 feet in the surrounding chaparral covered terrain.

### Soils

The soils on site range from fine sandy loams to coarse loams, with pockets of clay. The loam soil types encountered on site are suitable for use by kangaroo rats.

### Vegetation

Four major vegetation communities are present on the site: annual grasslands, resprouting and dense coastal sage scrub, chaparral, and oak woodland. Disturbed annual grassland and sparse sage scrub occur over most of the area surveyed for SKR.

The dominant vegetation community in the project development area disturbed annual grasslands dominated filaree (Erodium cicutarium), fiddleneck (Amsinckia tessellata), and shortpod mustard (Brassica geniculata), red brome (Bromos madritensis), ripgut grass (Bromos diandrus) and cheatgrass (Bromos diandrus). And California matchweed (Gutierrezia californica).

Dominant plant species in the resprouting sage scrub community adjacent to the

grasslands are flat-top buckwheat (Eriogonum fasciculatum), California sagebrush (Artemisia californica), and chamise (Adenostoma fasciculata). Shrub cover varies from sparse to dense. Scattered oaks and remnant chaparral species are also found within the disturbed annual grasslands.

Disturbances present on the site include ornamentals (grass and plants), fire, paved and dirt roads, single family homes, cafeteria and offices, cabins with associated structures, pool, game areas, and baseball field.

#### **Weather Conditions**

Weather conditions changed little during the course of the trapping studies. Early morning temperatures were in the low to mid fifties throughout the survey. Trapping occurred a few days prior and during the quarter and rising moon phase.

#### **Surrounding Land Uses**

Surrounding land uses are varied. To the west are steep chaparral covered hillsides with no potential for SKR. To the North and south are mixes chaparral, sage scrub and oak woodlands with no SKR potential. To the east are disturbed annual grasslands and sage scrub/chaparral mixed scrub with low potential for SKR.

#### **Trapping Results**

The results of the trapping are provided in Table 1. Six sites were trapped. The trapping site selection was based based on known habitat requirements and observed sign for the targeted species. The sites were as follows:

##### **Site 1**

Site is disturbed annual grasslands adjacent to chaparral. Portions of the site have been mowed for weed control. Vegetation cover varies from 0 to 40%. Soils are sandy loams.

##### **Site 2**

Site 2 is disturbed annual grassland. Several dirt roads run along portions of the site. Soils are sandy loams, there also are some clay pockets and rocky outcrops. The plant cover from 0 to 30 percent (Picture 1).

##### **Site 3**

Site 3 is dominated by disturbed annual grasslands, with scattered oaks and ornamentals. A game/baseball field is located in the center of the site. The plant cover varies from 0 to 30 percent (Picture 3).

##### **Site 4**

Site 4 is located along the main dirt road adjacent to large disturbed annual grasslands located off site. Soils are loams. Vegetation is mostly invasive grasses. Cover is about 30 percent.

##### **Site 5**

Site 5 is dominated by disturbed annual grasslands, with scattered oaks. Cover ranges from 0 to 30 percent.

##### **Site 6**

Site 6 is located in disturbed annual grassland with sparse sage scrub. Cover ranges from 10 to 70 percent. Soils are loams and clay.



Picture 1, site 2, looking north east.



Picture 2, Site 3, looking north east.





Picture 3, site 4, Looking south down eastern edge of property.



Picture 5, site 6 Looking south.



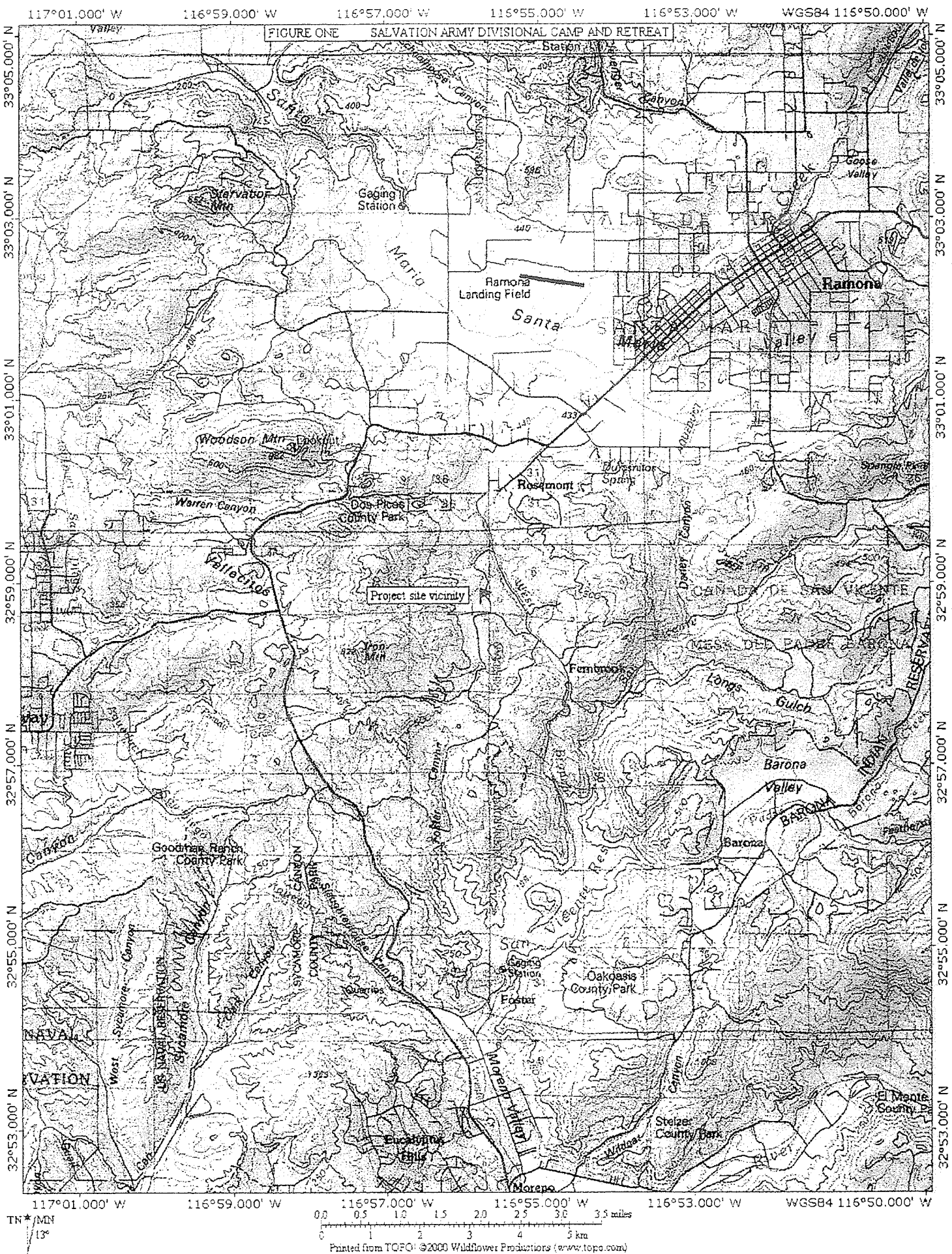


No SKR captured during the five day trapping effort. A total of 42 *Dulzura kangaroo* rats were captured. *Dulzura kangaroo* rats were captured at each trap line. Two sensitive species was also captured, the northwestern San Diego pocket mouse (*Chaetodipus fallax fallax*) and the desert woodrat (*Neotoma lepida*). Other species captured included the deer mouse (*Peromyscus maniculatus*), cactus mouse (*Peromyscus eremicus*), and one parasitic mouse (*Peromyscus californicus*).

Trapping success was moderate over the entire trapping period. Table 1 provides information on the species trapped per night.

## CONCLUSIONS

Based on the available information and site conditions, there was a low probability that the SKR might occur on the project site. SKR distribution in the Ramona area appears to be extremely fragmented due to disturbances, agricultural practices, and varied soil conditions ranging from small pockets of suitable loams to large areas of clay (Dr. m. O'Farrel pers. Com 2001; Vergne 99-2001 trapping results) . No SKR were caught during the trapping studies, and therefore this species is not present on the proposed project site.



TN\* MN  
13°





300 0 300 Feet  
0.05 0 0.05 Miles

SMALL MAMMAL TRAPPING LOCATIONS ONE TO SIX  
within  
Salvation Army Divisional Camp and Retreat

N  
Figure 2

Table 1. Trapping Results Salvation Army Site

DATE OF SET	TRAP LINE	# OF TRAPS	<i>Di. st.</i>	<i>Di. si.</i>	<i>Ch. fa.</i>	<i>Pe. er.</i>	<i>Pe. ma.</i>	<i>Ne. le.</i>	<i>Pe. ca.</i>	Other
01-14-2001	1	35		3			2			
	2	30		2	1	1	1			
	3	35		2		1				1 towhee
	4	30					1			
	5	20								
	6	30		1	2		1			
01-15-2001	1	35		1			2			
	2	30		2			2	1		
	3	35					1			
	4	30		1						
	5	20					2			
	6	30		2		1	1	1		
01-16-2001	1	35		3			1			
	2	30		2		2	1	1		
	3	35		2		1				
	4	30		1						
	5	20		2			1			
	6	30		2			1		1	
01-17-2001	1	35		2	1		2			
	2	30		3			2	1		
	3	35		3			1			
	4	30		1						
	5	20		2			1			
	6	30		3	1	1	1			
01-18-2001	1	35		1			1			
	2	30		2						
	3	35		2			2			
	4	30								
	5	20		2			1			
	6	30		2	2		2			
TOTAL		900	0	49	7	7	30	4		1
%		10.7%								

## LEGEND

*Di.st.* = *Dipodomys stephensi* *Di.si.* = *Dipodomys simulans* *Ch.fa.* = *Chaetodipus fallax**Pe.er.* = *Peromyscus eremicus* *Pe.ma.* = *Peromyscus maniculatus**Ne.le.* = *Neotoma lepida* *Pe.ca.* = *Peromyscus californicus*



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**Appendix 10**

**Salvation Army Expansion:  
Effects on Golden Eagles**





# **SALVATION ARMY EXPANSION: EFFECTS ON GOLDEN EAGLES**

**MUSSEY GRADE ROAD  
RAMONA, CALIFORNIA**

**Report Prepared For :  
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**June 6, 2001**

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## **History:**

The documented history of the pair of Golden Eagles we call, the Iron Mountain Pair, goes back to the 1920's. During this time James Dixon was collecting eggs for museums and private collectors called oologists. Mr. Dixon worked for the Water District and used the field knowledge of other employees and contacts throughout San Diego County to locate and collect the eggs of Golden Eagles. After collecting the eggs, notes were made on the egg itself, as to the date and location of where the eggs were collected. Many of his and others' egg collections ended up in museums all over the United States and Europe. Some of the collected eggs remain in local museums such as the Riverside Museum of Natural History and the Vertebrate Museum of Natural History in Los Angeles.

Mr. Dixon published a paper on the Golden Eagle territories he had knowledge of in the scientific journal, Condor (1936). Dixon reported 28 pairs that he had collected eggs from or had detailed knowledge of in northwest San Diego County. The Iron Mountain pair of Golden Eagles was one of those pairs. During this era of egg collection, the eggs were collected early in incubation, thus avoiding the possibility of something happening to the eggs and before the embryo grew to big, to easily blow out the egg contents. This collecting of eggs, early in incubation inadvertently had the effect of double-clutching the Eagles. Double-clutching is a method of getting eagles and other birds to lay a second set of eggs within a single breeding season. The collectors didn't collect the second set of eggs. This assured that the eagles would produce offspring and continue to nest, so that new eggs could be collected again the next year.

Egg collecting in San Diego County stopped in the 1940's. All the eagle pairs, known from the 1890's through the 1936 publishing of the Dixon paper still existed as viable nesting pairs. These established territories of Golden Eagles hadn't changed much since they were first found. This is consistent with knowledge gathered by others to follow.

John Colton, studied many of the same Golden Eagle territories after Dixon stopped his work in the 1950's. John Oakley, (Professor Emeritus), who is WRI's co-director of the Golden Eagle Project studied the same area of San Diego County as Dixon. John Oakley started in the 1940's and reports that all the Dixon eagle territories still existed up until the 1970's. Dr. Tom Scott studied the Golden Eagle population of San Diego County in the late 1970's through the early 1980's. Dr. Scott looked at the causes of a decline in the Golden Eagle population in San Diego County that started in the early 1970's with the expansion of development in the western portion of San Diego County.

In 1987 a group of ten biologists gathered in La Jolla to express their common concern about what they all perceived was a precipitous decline of Golden Eagle territories in San Diego County. They began a survey to study all the known Golden Eagle territories and to establish if they were still active. In addition they initiated a volunteer group to survey the entire County of San Diego for all the Golden Eagles. By 1991 most of the



territories had been observed for Golden Eagle activity and a few previously undocumented territories had been discovered.

Simultaneous with this survey the Wildlife Research Institute directed by Dave Bittner had also been investigating Golden Eagles in San Diego. In 1991 the two Golden Eagle surveys were combined under a cooperative agreement with John Oakley, Craig Culver and Dave Bittner directing the efforts. In 2001 the research on Golden Eagles is still ongoing and is currently co-directed by John Oakley and Dave Bittner.

Current research and historical data has allowed us to establish both the original and the current Golden Eagle population for San Diego County. Historically within San Diego County there were at least 85 pairs of Golden Eagles living in well established, distinct territories.

### **Current Status: Golden Eagles in San Diego County**

The Golden Eagle territories that were known to James Dixon have had the most serious decline of any population known in North America. The original 28 Golden Eagle territories Dixon studied have been extirpated to a current 11 active territories. This is a decline of 61% of this population of Golden Eagles. (NOTE: Territory # 17 on the attached map is the Iron Mountain Pair as Dixon illustrated it in 1936. Territory #4 has been extirpated since the map was prepared.)

San Diego County has had a decline throughout the county from the original 85 pairs to the current forty two (42) pairs with active territories. County-wide this represents a decline of fifty one percent (51%) of all the Golden Eagles nesting and breeding. Additionally six (6) of the forty two (42) pairs are considered to be in immediate threat of extirpation. One of the Golden Eagle pairs considered in immediate threat of extirpation is the Iron Mountain Pair.

### **The Threat:**

Golden Eagles become extirpated from territories when a combination of factors come together. These factors are usually related to changes in the foraging area that causes the eagles to no longer be able to hunt or human caused nest site disturbance which affects reproduction. Since Golden Eagles use well defined territories, that they defend from other eagles, we are able to locate the main foraging areas and the nest sites within the territory. Over time foraging areas shift very little and the nest sites remain very constant. In fact one pair of Golden Eagles is still nesting on the very same nest ledge, on a cliff that James Dixon collected eggs from in 1895. This is how stable Golden Eagle territories are if left undisturbed.

Foraging areas can shift in response to fires or changes in farming practices but the size of the territory remains rather constant. Golden Eagles defend a large territory of between 20 and 30 square miles. However, they use only a portion of this territory for

nesting and foraging. Defending a large territory keeps eagles spread out and allows for adequate food supply to feed themselves and raise young. Major changes within a territory must take place before Golden Eagles cease to breed then finally become totally extirpated.

### **Extirpation:**

This process is a local extinction of an animal. With Golden Eagles that we have studied in San Diego County, the process usually takes several years to accomplish. The process of extirpation is not easy to detect unless constant monitoring is done but can be predicted by monitoring the changes in the territory.

In San Diego County the process usually goes like this. Development starts, in the form of housing, industry or agriculture changes from ranching to groves of avocados or oranges. Over time, expanding development, removes more and more available foraging land within the Golden Eagle territory. The Eagles respond by slowing down reproduction, because they cannot sustain themselves and young in the nest due to a decline in available prey animals. After a few years the development may also lead to increased people climbing and hiking near the nest site causing disturbance which further reduces successful reproduction. Finally all reproduction stops and the old adult eagles carry out their remaining years as best they can within the territory. Once one of the pair dies the remaining lone eagle cannot find a suitable replacement since the territory is degraded and no, potential replacement eagle, recognizes the territory as suitable. Therefore the lone eagle either leaves the territory to become a replacement mate in another territory or dies within the degraded territory of natural or manmade causes. The territory is now completely extirpated.

San Diego County has over 40 Golden Eagle Territories that have been Extirpated since the 1970's. To date, not one of these extirpated territories has ever been reoccupied by a nesting pair of Golden Eagles.

Extirpation can take five to ten years depending on the rate of development and the accidental death of one or both of the Golden Eagle pair. Once a territory is destroyed by development there is nowhere else for the territorial eagles to go since all available and remaining, suitable territories are occupied by other eagles.

Currently, in San Diego County, reproduction is barely staying ahead of mortality. Several pairs of Golden Eagles currently have replacement mates that are still in juvenile plumage and are not yet old enough to successfully reproduce. This is a telling sign of lack of available Floaters. Floaters, is a term used to describe young adult eagles that do not have breeding territories or mates but, float around the edges of territorial pairs. These floaters, in a natural healthy population, are usually recruited quickly by a territorial adult eagle who has lost a mate.



Recruitment of juvenile eagles as mates is not a sign of a healthy population. This is a sign of a population without sufficient reproduction or survivability of young to adulthood. It can also signal premature adult mortality.

Known reproduction to fledging, in 2000, was only 15 young from all 42 pairs. Reproduction to fledging, in 2001, was likewise only 17 eagles. This is low but adequate for replacement if survivability to adulthood is high. Survivability and recruitment is something we are currently researching. However, preliminary information indicates that juvenile survivability in San Diego County is low.

### **Iron Mountain Golden Eagles, Current Status:**

Prior to 1974 the Iron Mountain Golden Eagles nested on nearby Mt. Woodson. This was prior to the climbing and hiking trails and the expansion of broadcast Antennas on the top of Mt. Woodson. After 1974 the Golden Eagles moved to a nest on Iron Mountains' Sole Peak and abandoned the Mt. Woodson site. Sole Peak, is a large rock outcropping, approximately 200 feet high, facing north east and overlooking the Ramona Valley. Sole Peak is approximately one mile southeast of Mt. Woodson and 3/4 mile north of Iron Mountain's main peak.

Movement of a nest site is not unusual because eagles will often have several nests on the same or nearby cliffs. However, moving in reaction to disturbance, is unusual, but can be done if there are optional nest sites nearby. The Iron Mountain pair of Golden Eagles are running out of options for undisturbed nest sites.

Since 1974 when the Golden Eagles moved their nest site to Iron Mtn's, Sole Peak they enjoyed very little disturbance until very recently. The development of Iron Mountain as an open space park by the City of Poway placed many hikers and rock climbers on top of Iron Mountain. This has caused some nest site disturbance and loss of breeding success from the pair.

1996 was the last time that the pair actually fledged two young. Since then a series of factors has caused the pair to fail each year in producing young. They have attempted several times since 1996 to lay eggs and incubate only to be driven off the nest during critical times by climbers, hikers and developers. In 1997 there was an illegally graded road bulldozed to within 800 feet of the nest site. Another year, 1998, just prior to courtship the male eagle was killed by hitting an electric wire on Dye Road. This prevented the female from finding a mate in time for the 1999 nesting season. In 2000 the female had found a new mate and eggs were laid only to be driven off the nest during incubation by a rescue team performing a helicopter medivac of a woman who had fallen while climbing the cliffs nearby. This led to the eggs being lost to depredating ravens while the female eagle was off the nest due to the disturbance.

During the courtship for the current 2001 breeding season the Golden Eagles were paired and seen performing courtship in the territory. However we have had no

observed egg laying or incubation on Sole Peak. The Golden Eagles did add new nest material to their old nest at Sole Peak in 2001 and currently remain a viable pair. The eagles failed to breed successfully in 2001 although they continue to be seen above the cliffs and in the known foraging areas.

**Factors that are known to be affecting the Iron Mtn. Golden Eagles are:**

- 1) Development of rangeland in Ramona and Poway to housing and other uses.
- 2) Changes of natural grassland to disc and plow in Ramona prior to developing EIR's by developers. This ranch land, now owned by out of town developers, was former favored foraging habitat by the Iron Mtn. pair of Golden Eagles.
- 3) Poisoning of California Ground Squirrels by nearby horse ranchers and developers has recently caused the death of two Golden Eagles that we found. Many others may not have been found. The Golden Eagles catch, kill and eat the dying Ground Squirrels that have ingested poison. The eagles themselves then become sick and die from secondary poisoning.
- 4) Climbing and Hiking near or on the nest cliff of Sole Peak causing nest site disturbance. Nest disturbance can cause abandonment, dead embryos or loss of eggs and or baby eagles to other predators.
- 5) Disturbance caused by illegal grading on the slopes of Iron Mtn. and Sole Peak.
- 6) Increase density of housing throughout the foraging area of the eagles. This has caused more and more acres to be fenced with eucalyptus trees planted around smaller and smaller parcels of land. This breaking up of the habitat into small parcels surrounded by high trees makes foraging by Golden Eagles impossible.
- 7) Iron Mountain fire, creates open foraging in the long term but causes losses of foraging for several years after the fire.
- 8) Shooting has been a problem in the past and is suspected in the loss of a nearby pair.
- 9) Electrocution and Line Strikes have caused the death of the male in 1999. Additional development brings more poles, more lines and the increased risk to the Golden Eagles. This problem needs to be addressed if expansion is approved.



## **Effects of the proposed Salvation Army Camp Expansion on the Golden Eagles of Iron Mountain.**

The issue of development and its stress on Golden Eagles is complex and difficult, as are all biological systems. The reasons, for potential effects, have a lot to do with what is happening throughout the entire territory of the Golden Eagles in question. Cumulative effects of all of the factors that influence Golden Eagle behavior and affect their ability to thrive enter into a formula that is as complex as the territory of the Golden Eagles is diverse.

The more diverse and open the territory the easier it is for Golden Eagles to live and prosper. The more man takes away from the diversity and open space the more stress is placed on the Golden Eagle pair. Each acre of foraging habitat that is carved out of the territory and converted to other uses is one less acre available for the eagles and their young.

The Salvation Army camp is close to the Golden Eagle nest cliffs located on Sole Peak. The Golden Eagles nest is less than one half ( $1/2$ ) mile from the western edge of the proposed expansion's footprint and only nine tenths of a mile from the nest to the current Salvation Army Headquarters Buildings. This distance is within the sphere of influence that could effect Golden Eagle Reproduction. Flight distance, (the distance at which an eagle would fly from the nest when approached by a human on foot), is between one half ( $1/2$ ) and three quarters ( $3/4$ ) of a mile. Since the proposed Salvation Army project would place up to an additional 800 people within this flight distance, the project could have adverse affects on the nesting of the Golden Eagles.

Any assumption that 800 people could live, hike and/or recreate within one half mile of the nest and not have an adverse impact could easily be challenged. This is even assuming that they would not be tempted to hike up to Sole Peak itself. Sole Peak is the most visible mountain peak from the camp. The cliffs and peak would be an inviting climbing destination for outdoor oriented people. If they do hike up it would result in even greater disturbance of the nesting Golden Eagles.

Additionally the open areas of the Salvation Army camp are part of an area used by the eagles to hunt. Therefore the loss of these open spaces could have an impact on foraging. The Golden Eagles continue to be seen at the other foraging areas (where we have observers) on a regular basis. Therefore we know that in 2001 the eagles are still active and will probably attempt to nest again in 2002.

Note: This report was prepared from existing WRI data and regular site visits. Active, weekly monitoring by WRI observers of the nest site in 2001 indicated a lower than normal nest site use. This could be a result of the eagles simply taking a year off from breeding or could indicate the beginning of extirpation. WRI will continue to monitor this pair in the future.

The Multiple Species Conservation Plan, (MSCP) has designated the Golden Eagle to be a target species for preservation and monitoring. This pair of Golden Eagles, nest within the MSCP, and are therefore under the rules adopted under the MSCP in coordination with the U.S. Fish and Wildlife Service, and the California Fish and Game. Currently lands nearby to the proposed Salvation Army expansion are being purchased to add to the protected areas in the MSCP. These areas include the Boulder Oaks ranch and the former Boys and Girls Club property. Current monitoring of this pair of Golden Eagles indicate that these properties along with Wildwood Ranch, Salvation Army and the Golden Eagle Ranch West represent an important foraging area for these eagles (see attached map).

### **CONCLUSIONS:**

Based on the footprint and scope of the proposed Salvation Army expansion there is high probability of significant adverse affects to the Golden Eagles nesting on Iron Mountain's, Sole Peak. Direct disturbance and loss of foraging habitat are the two most significant criteria used to arrive at this conclusion.



# PACIFIC OCEAN

Published in CONDOR in 1936

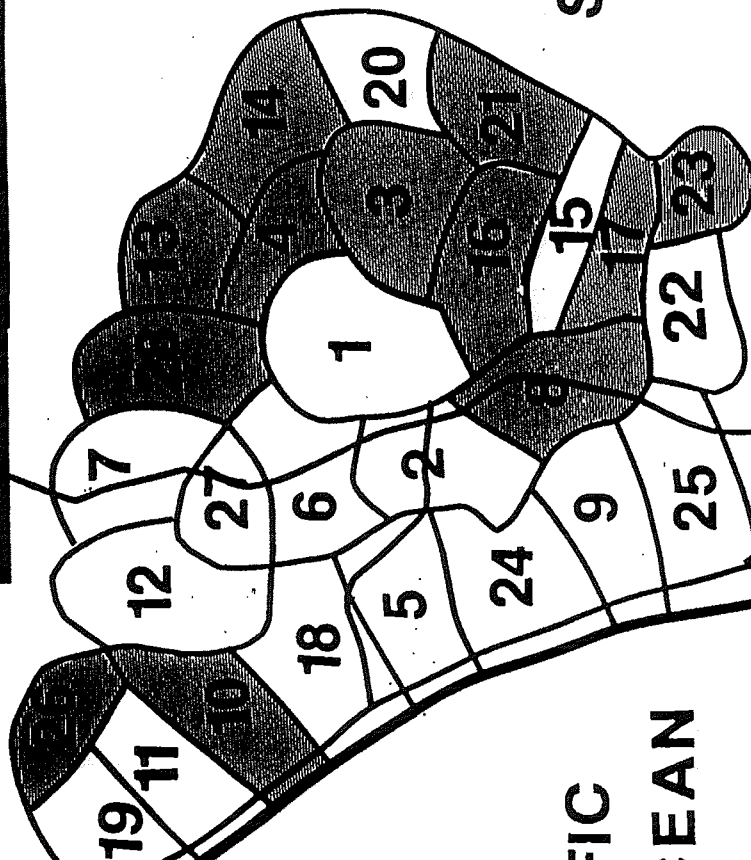
**Shaded = Active territories 2001**

**White = Extirpated territories**

#17 is Iron Mtn. G.E. territory.  
#4 has been extirpated since this  
map was prepared.

**SAN DIEGO COUNTY  
CALIFORNIA**

ATTACHMENT # 1



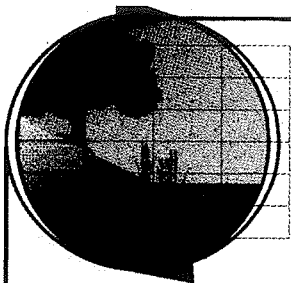






**Appendix 11**

**45-day Letter Report of Quino Checkerspot Butterfly (*Euphydryas editha quino*) Focused Surveys for the Salvation Army Project**



## **Merkel & Associates, Inc.**

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May 15, 2001  
M&A #99-051-09

Ms. Christine Moen  
Recovery Permit Coordinator  
U. S. Fish and Wildlife Service – Carlsbad Fish and Wildlife Office  
2730 Loker Avenue West  
Carlsbad, California 92008

**Re: 45-day Letter Report of Quino Checkerspot Butterfly (*Euphydryas editha quino*) Focused Surveys for the Salvation Army Project Located in Ramona, County of San Diego, Conducted under Federal Endangered Species Act, Section 10(a)(1)(A) permit #797999 and State California Endangered Species Act Memorandum of Understanding.**

Dear Ms. Moen:

### **SUMMARY**

Merkel & Associates, Inc. conducted focused surveys for the federally listed, endangered Quino Checkerspot Butterfly (*Euphydryas editha quino*) at the Salvation Army project site. The focused surveys were authorized under Federal Endangered Species Act, Section 10(a)(1)(A) permit #797999 and State California Endangered Species Act Memorandum of Understanding. The surveys followed the recommended guidelines of the U.S. Fish and Wildlife Service Quino Checkerspot Butterfly Survey Protocol dated January 2000. The project site contained approximately 100 acres of moderate to moderately-high quality Quino habitat. The site contained many nectaring resources, trails, open areas, hilltopping areas, and rock outcrops. However, the site lacked Dot-seed Plantain (*Plantago erecta*) which is the primary Quino Checkerspot Butterfly host plant. Only a few relatively small populations of secondary host plants, Purple Owl's Clover (*Castilleja exserta*) and Birds Beak (*Cordylanthus rigidus*), were found on-site. No Quino Checkerspot Butterflies were detected during the surveys.

### **INTRODUCTION**

Merkel & Associates, Inc. (M&A) conducted focused Quino Checkerspot Butterfly (*Euphydryas editha quino*) presence/absence surveys for the Salvation Army project, at the request of BRG Consulting, Inc. on behalf of the Salvation Army. The purpose of this investigation was to determine the presence or potential presence of the Quino Checkerspot Butterfly (QCB) and whether suitable habitat occurs within the project study area.



## LOCATION

The 565-acre project site is located in Sections 1 and 12 of Township 14 South, Ranges 1 West and 1 East of USGS 7.5' San Vicente Quadrangle, San Bernardino Base & Meridian (Figure 1). The site is located on San Diego County Land within the community of Ramona just east of Highway 67 off of Mussey Grade Road.

## GENERAL PHYSIOGRAPHY

The project site is bounded on the northeast by Mussey Grade Road and on the west by extensive undisturbed chaparral. To the north, south, and southeast are areas of rural or development, and/or agricultural lands. The project site also lies on the County MSCP Subarea Plan boundary.

The project site lies within the Foothill Province of north central San Diego County. Topographically, the property is characterized by steep slopes in the eastern portions, which transform into rolling hills and pasture-like areas. These areas are occasionally bisected by intermittent and ephemeral drainages. The elevation of the site is between approximately 1300 to 2000 feet above the mean sea level.

## METHODS

Site assessments were completed during previous site visits and biological work conducted by Merkel & Associates biologists. The previous work met the recommended guidelines specified in the USFWS QCB Survey Protocol dated January 2000. Biologists slowly searched for specific habitat components of the QCB (*e.g.*, larval food plants, nectar resources, open/sparsely vegetated areas, suitable topographic features and dirt trails/roads) and mapped these locations as butterfly survey areas. Areas that did not contain potential QCB habitat (*e.g.* developed areas, non-native and closed-canopy vegetated areas) were mapped as excluded areas not requiring butterfly surveys as per USFWS QCB Survey Protocol.

The QCB flight season began in San Diego County on March 1, 2001. M&A biologists Vanessa A. Lee, Navroop K. Jassal, Antonette T. Gutierrez, Craig H. Reiser and Jean-Paul W. LaCount, authorized under Federal Endangered Species Act (ESA) section 10(a)(1)(A) permit #797999 and State California Endangered Species Act (CESA) Memorandum of Understanding (MOU), conducted all focused adult QCB surveys. The surveys were conducted according to the recommended guidelines noted in the USFWS QCB Survey Protocol. Biologists slowly walked all pre-determined butterfly survey areas, carefully followed the movements of butterflies, and periodically stopped within areas containing more favorable QCB conditions. Biologists recorded locations of all larval host plants, potential nectaring resources, and butterfly species detected within the study area.

The focused surveys were conducted at approximate weekly intervals, beginning on March 5, 2001 and lasting until the close of the QCB flight season on April 5, 2001 (Table 1). An additional survey was conducted after the close of the QCB flight season in order to offset missing an entire week of surveying due to inclement weather conditions. QCB survey dates and times varied according to weather and scheduling conditions, and individual biologists used professional judgement to comply with USFWS QCB protocol requirements as closely as possible. Biologists recorded field notes for each field survey.





**Table 1.** Summary of QCB Survey Dates, Times, Conditions, and Staff, and the Number of Acres Surveyed per Hour and Day.

Date (mm/dd/yyyy)	Survey	Time	Conditions (start-end)	Permitted Biologist(s)	Acres/ Hour	Acres/ Day
3/5/2001	1	0930-1410	Weather: Sunny Wind: 3-5 (mph) Temp.: 65°-70°F	Vanessa A. Lee, Craig H. Reiser, Navroop K. Jassal	7.4	100
3/13/2001	2	0930-1530	Weather: Sunny Wind: 1-4 (mph) Temp.: 67°-74°F	Vanessa A. Lee, Antonette T. Gutierrez, Jean-Paul W. LaCount	5.6	100
3/15/2001	3	1000-1530	Weather: Partial Clouds Wind: 1-4 (mph) Temp.: 68°-70°F	Antonette T. Gutierrez, Navroop K. Jassal, Jean-Paul W. LaCount	6.1	100
*3/22/2001	-	1100-1230	Weather: Mostly Cloudy Wind: 1-3 (mph) Temp.: 64°-68°F	Vanessa A. Lee, Navroop K. Jassal, Kyle L. Ince	-	-
*3/26/2001	-	1145-1300	Weather: Mostly Cloudy Wind: 0-5 (mph) Temp.: 63°F	Vanessa A. Lee, Navroop K. Jassal, Kyle L. Ince	-	-
*3/29/2001	-	0900-1200	Weather: Mostly Cloudy Wind: 3-5 (mph) Temp.: 61°-62°F	Vanessa A. Lee, Antonette T. Gutierrez, Craig H. Reiser	-	-
3/30/2001	4	0945-1530	Weather: Sunny Wind: 0-5 (mph) Temp.: 78°-83°F	Vanessa A. Lee, Jean-Paul W. LaCount	8.7	100
*4/02/2001	-	1045-1200	Weather: Mostly Cloudy Wind: 3-7 (mph) Temp.: 64°-60°F	Vanessa A. Lee, Navroop K. Jassal, Antonette T. Gutierrez	-	-
4/05/2001	5	0930-1330	Weather: Sunny Wind: 3-5 (mph) Temp.: 65°-67°F	Vanessa A. Lee, Navroop K. Jassal, Jean-Paul W. LaCount	8.3	100
*4/10/2001	-	1020-1300	Weather: Mostly Cloudy Wind: 0-5 (mph) Temp.: 63°F	Vanessa A. Lee, Jean-Paul W. LaCount, Stephen R. Rink	-	-
**4/13/2001	6	0930-1415	Weather: Sunny Wind: 1-8 (mph) Temp.: 67°-74°F	Antonette T. Gutierrez, Navroop K. Jassal, Jean-Paul W. LaCount	7.4	100

\*Surveys were attempted on these dates; however, due to inclement weather conditions, surveys were not completed.

\*\*Additional Survey was conducted after the close of the flight season in order to offset missing a complete survey during Week 4 (3/16/2001-3/23/2001) due to inclement weather conditions.

### SCIENTIFIC NOMENCLATURE

Scientific nomenclature used in this report is from the following standard references: vegetation and communities, Holland (1986); flora, Skinner and Pavlik (CNPS) (1994), Hickman (1993); and butterflies, Garth and Tilden (1986);

### RESULTS

Information regarding QCB survey areas, excluded areas, and QCB host plants are mapped on a 1" = 1,000' topographical map of the project site (Figure 2). Appendix 1 provides a list of butterfly species observed during the field surveys. Appendix 2 provides a copy of field notes for each focused survey conducted.





## SURVEY AREAS

Thirteen vegetation communities, according to current Holland Code descriptions, are identified within the study area: Non-Native Woodland, Disturbed, Urban/Developed, Diegan Coastal Sage Scrub, Southern Mixed Chaparral, Mafic Southern Mixed Chaparral, Coastal Sage-Chaparral Scrub, Non-Native Grasslands, Southern Coast Live Oak Riparian Forest, Mule Fat Scrub, Southern Willow Scrub, Emergent Wetland, and Coast Live Oak Woodland. Also present on-site are extensive areas of rock outcrop.

The following habitats were excluded from the QCB focused surveys because they exhibit characteristics unsuitable for potential QCB habitat, such as developed areas, non-native vegetation, and closed-canopy vegetation: Non-native Woodland, Urban/Developed, Southern Mixed Chaparral, Southern Coast Live Oak, Riparian Forest, Southern Willow Scrub, Mulefat Scrub, and Coast Live Oak Woodland. However, any accessible small paths or open areas within these excluded areas that contain suitable QCB habitat characteristics were surveyed.

The following text provides brief descriptions of the habitats surveyed. They are Disturbed Habitat, Diegan Coastal Sage Scrub, Coastal Sage-Chaparral Scrub, Mafic Southern Mixed Chaparral, Non-native Grassland, and Emergent Wetland.

### Disturbed Habitat – Oberbauer Code 11300

Disturbed habitats on the site include the areas around the existing development that have been historically cleared or brushed and are maintained through a similar regime. These areas include, but are not limited to, maintained dirt roads and trails.

Because several species of butterflies including the Quino Checkerspot Butterfly typically fly along trails and disturbed areas, the areas of disturbed habitat have been included in the focused surveys. Furthermore, Dot-seed Plantain (*Plantago erecta*), the primary QCB host plant, often occurs in disturbed areas. Although Dot-seed Plantain was not found onsite, these areas were continuously examined for potential primary host plant growth during the focused surveys. Two relatively small populations of Purple Owl's Clover (*Castilleja exserta*), a QCB secondary host plant, were found within disturbed areas.

### Diegan Coastal Sage Scrub - Holland Code 32500

Diegan Coastal Sage Scrub includes a dominance of low, soft-woody sub-shrubs that are typically drought deciduous. California Sagebrush (*Artemisia californica*) and Flat-top Buckwheat (*Eriogonum fasciculatum*) are most common with significant incursions of Laurel Sumac (*Malosma laurina*) and White Sage (*Salvia apiana*). Flat-top Buckwheat is a common nectar source for many butterflies; however very few plants were in flower at the time of the surveys. Other nectar sources such as Ranchers Fireweed (*Amsinckia menziesii*), Cryptantha (*Cryptantha intermedia*), Common Goldfields (*Lasthenia californica*), Wild Hyacinth (*Dichelostemma capitatum*) and Blue-eyed-grass (*Sisyrinchium bellum*) are found within this habitat.

Although not found, host plants such as Dot-seed Plantain and Purple Owl's Clover are also generally known to occur in this habitat. In fact, two small populations of Bird's Beak (*Cordylanthus rigidus*), another secondary host plant, occur in the southern area of Diegan Coastal Sage Scrub.

### **Mafic Southern Mixed Chaparral - Holland Code 37122**

Southern Mixed Chaparral accounts for most of the on-site chaparral, but it is replaced at the higher elevation with Mafic Southern Mixed Chaparral. This habitat contains much of the same species as the Southern Mixed Chaparral including Chamise (*Adenostoma fasciculatum*), Mission Manzanita (*Xylococcus bicolor*), Our Lord's Candle (*Yucca whipplei*), and a few species of Ceanothus.

All accessible open areas within this vegetation community were surveyed. These areas contain many rock outcrops that provide suitable habitat for Dot-seed Plantain and other nectar resources. Although Dot-seed Plantain was not found, these areas were carefully examined during each survey in order to check for late emergence.

### **Coastal Sage-Chaparral Scrub - Holland Code 37G00**

A mix of sclerophyllous, woody chaparral species and drought-deciduous, malacophyllous sage scrub species characterize this habitat (Holland 1986). Areas mapped as chaparral scrub on-site contain predominately chaparral associated species with irregular sage scrub species presence. This habitat contains some open areas and many of the same nectar sources as Southern Mixed Chaparral and Diegan Coastal Sage Scrub.

### **Non-native Grasslands - Holland Code 42200**

Non-native Grasslands are well distributed in the central portion of the site. Such communities develop most commonly where native scrub has been disturbed by grazing, discing, or fire. They usually occur in close association with rural land uses. Local grasslands have a preponderance of non-native grasses and forbs, such as the bromes and wild oats, with only occasional representation from native elements. Although this habitat is dominated by non-native vegetation, the Quino Checkerspot Butterfly is generally associated with grasslands among other habitats. Therefore, the Non-native Grasslands were included in the focused surveys despite the dominance of non-native vegetation.

The primary available nectar resource in this habitat is the Short-beak Filaree (*Erodium brachycarpum*). Other potential nectar resources include Red Maids (*Calandrinia cillata*), Scarlet Pimpernel (*Anagallis arvensis*), and Short-pod Mustard (*Hirschfeldia incana*).

### **Emergent Wetland - Oberbauer Code 52440 from Holland 52400**

Small, isolated patches of Emergent Wetland occur within the Non-native Grassland. This habitat consists of herbaceous wetland species such as Common Monkeyflower (*Mimulus guttatus*), Grass Poly (*Lythrum hyssopifolia*), and Pale Spike-Sedge (*Eleocharis macrostachya*). Because these patches of wetlands occur within the Non-native Grasslands, they were included in the focused surveys.

### FOCUSED PRESENCE/ABSENCE SURVEYS FOR THE QUINO CHECKERSPOT BUTTERFLY

No Quino Checkerspot Butterflies were observed on-site during the focused surveys. The most common butterfly species observed were the West Coast Lady (*Vanessa anabella*), Painted Lady (*Vanessa cardui*), Funeral Duskywing (*Erynnis zarucco funeralis*), Mournful Duskywing (*Erynnis tristis*), and Sara Orangetip (*Anthocharis sara*). Also seen were the Southern Blue (*Glaucopsyche lygdamus australis*), Acmon Blue (*Icaricia acmon*), Brown Elfin (*Incisalia augustinus*), Perpelxing Hairstreak (*Callophrys perplexa*), and Pale Swallowtail (*Papilio eurymedon*). Appendix 1 gives a more complete list of butterfly species observed on-site.

### DISCUSSION

#### POTENTIAL QUINO CHECKERSPOT BUTTERFLY HABITAT QUALITY

Approximately 100 acres of potential Quino Checkerspot Butterfly habitat occur on the project site. Habitat quality has been determined to be moderate to moderately-high due to the ample occurrence of nectaring plants and trails, several hilltopping areas and rock outcrops, and the presence of host plants. Although a few populations of secondary host plants are found on-site, they are relatively small stands consisting of approximately 45-60 individual plants. Furthermore, the primary host plant, Dot-seed Plantain, does not occur onsite despite the presence of suitable habitat for this plant species.

#### POTENTIAL QUINO CHECKERSPOT BUTTERFLY PREDATORS

No potential Quino checkerspot butterfly predators, such as earwigs, sowbugs, and exotic ant species were observed at the Salvation Army site. However, because these pest insects typically follow urban/rural development and human disturbances and the site currently supports recreational uses and facilities, it is expected that these predatory species occur in and around the Urban/Developed areas on-site.

If you have any additional questions concerning the QCB work conducted for the Salvation Army project, please call me at (858) 560-5465.

Sincerely,

Vanessa A. Lee  
Associate Biologist/Project Manager

cc: BRG Consulting, Inc.



### LITERATURE CITED

- Garth, John S., and J. W. Tilden. 1986. California Butterflies. University of California Press, Berkeley, California. California Natural History Guides. 51pp.
- Hickman, James C., ed. 1993. The Jepson Manual, Higher Plants of California. University of California Press, Berkeley. 1400pp.
- Holland, Robert F. 1986. Preliminary Descriptions of the Terrestrial Natural Communities of California. California Department of Fish and Game.
- Skinner, Mark W., and Bruce M. Pavlik. 1994. California's Native Plant Society's Inventory of Rare and Endangered Vascular Plants of California. California Native Plant Society. 338pp.
- United States Department of the Interior, Fish and Wildlife Service. Year 200 Survey Protocol for the Endangered Quino Checkerspot Butterfly (*Euphydryas editha quino*). January, 2000.

## **APPENDIX 1. BUTTERFLY SPECIES OBSERVED**

## Common Name

## Scientific Name

**BUTTERFLIES****Papilionidae (Swallowtail Butterflies)**

Pale Swallowtail	<i>Papilio eurymedon</i>
Western Tiger Swallowtail	<i>Papilio rutulus</i>

**Pieridae (White, Orange-tip, and Sulfur Butterflies)**

Sara Orangetip	<i>Anthocharis sara</i>
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**Nymphalidae (Brush-footed Butterflies)**

California Ringlet	<i>Coenonympha californica</i>
Mourning Cloak	<i>Nymphalis antiopa</i>
West Coast Lady	<i>Vanessa anabella</i>
Painted Lady	<i>Vanessa cardui</i>
Lorquin's Admiral	<i>Basilarchia lorquini</i>

**Lycaenidae (Hairstreak, Copper, and Blue Butterflies)**

Perplexing Hairstreak	<i>Callophrys perplexa</i>
Southern Blue	<i>Glaucopsyche lygdamus australis</i>
Sonoran Blue	<i>Philotes sonorensis</i>
Acmon Blue	<i>Icaricia acmon</i>
Brown Elfin	<i>Incisalia augustinus</i>

**Hesperiidae (Skipper Butterflies)**

Funereal Duskywing	<i>Erynnis zarucco funeralis</i>
Mournful Duskywing	<i>Erynnis tristis</i>

**Riodinidae (Metalmarks)**

Behr's Metalmark	<i>Apodemia mormo virgulti</i>
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## **Appendix 12**

### **Intensified Wetland Delineation Forms**

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u> Applicant/Owner: <u>Salvation Army</u> Investigator: <u>Vanessa A. Lee, Melissa A. Booker, and Kara A. Altvater</u>	Date: <u>17 December 2001</u> County: <u>San Diego</u> State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	Community ID: <u>CLORF</u> Transect ID: _____ Plot ID: <u>DP 1A, PP 1A</u>

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Platanus racemosa</i>	T	FACW	9.		
2. <i>Quercus agrifolia</i>	T	NI	10.		
3. <i>Artemisia douglasiana</i>	H	FACW	11.		
4. <i>Toxicodendron diversilobum</i>	H	NI	12.		
5. <i>Piptatherum miliaceum</i>	H	NI	13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 40%

Remarks: Data point lies in grouping of Western Sycamores (*Platanus racemosa*) within Southern Coast Live Oak Riparian Forest vegetation. Corps determination shows that area does not meet hydrophytic vegetation criteria; however, per County direction, area is considered a County RPO wetland.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

Map Unit Name		Drainage Class: <u>Moderately well drained</u>	
(Series and Phase): Visalia sandy loam		Field Observations	
Taxonomy (Subgroup): Pachic Haploxerolls		Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>Profile Description:</b>			
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)
0-14	---	10YR 3/3	---
<b>Hydric Soil Indicators:</b> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> Histosol  <input type="checkbox"/> Histic Epipedon  <input type="checkbox"/> Sulfidic Odor  <input type="checkbox"/> Aquic Moisture Regime  <input type="checkbox"/> Reducing Conditions  <input type="checkbox"/> Gleyed or Low-Chroma Colors         </div> <div style="width: 45%;"> <input type="checkbox"/> Concretions  <input type="checkbox"/> High Organic Content in surface layer in Sandy Soils  <input type="checkbox"/> Organic Streaking in Sandy Soils  <input type="checkbox"/> Listed on Local Hydric Soils List  <input type="checkbox"/> Listed on National Hydric Soils List  <input type="checkbox"/> Other (Explain in Remarks)         </div> </div>			
<b>Remarks:</b> No hydric soil indicators.			

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Is this Sampling Point Within a Wetland?					Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: Area does not qualify as an ACOE jurisdictional wetland. Area is jurisdictional under CDFG only as Adjacent Riparian vegetation. Finally, per County direction, the area is also considered an RPO Wetland even though the area does not meet any of the three wetland parameters.								

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>17 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee, Melissa A. Booker, and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 1, 0ft</u> Plot ID: <u>DP 2A, PP 2A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Arctostaphylos glandulosa</i>	S	NI	10.		
3. <i>Stellaria media</i>	H	FACU	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic plants present. Data point located at the edge of main road. Immediate area potentially has abnormal conditions due to disturbance from the road.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

Map Unit Name (Series and Phase): Visalia sandy loam		Drainage Class: <u>Moderately well drained</u>			
Taxonomy (Subgroup): Pachic Haploxerolls		Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

**Profile Description:**

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-6	---	10YR 2/2	---	---	Sandy loam with high concentration of humus
6-14	---	10YR 2/2	---	---	Sandy loam

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in surface layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

**Remarks:** No hydric soil indicators. There is possibly fill material from road construction.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sampling Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

**Remarks:** Data point located on the edge of main road beneath Southern Coast Live Oak Riparian Forest. This area does not qualify as a wetland. However, it is jurisdictional under CDFG as Adjacent Riparian habitat.

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u> Applicant/Owner: <u>Salvation Army</u> Investigator: <u>Vanessa A. Lee, Melissa A. Booker, and Kara A. Altvater</u>	Date: <u>17 December 2001</u> County: <u>San Diego</u> State: <u>California</u>
Do normal circumstances exist on the site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	Community ID: <u>CLORF</u> Transect ID: <u>T 1, 10ft</u> Plot ID: <u>DP 3A, PP 3A</u>

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Arctostaphylos glandulosa</i>	S	NI	10.		
3. <i>Stellaria media</i>	H	FACU	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic plants present. Data point located near main road. Immediate area potentially has abnormal conditions due to disturbance from the road.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	



## SOILS

Map Unit Name (Series and Phase): Visalia sandy loam		Drainage Class: Moderately well drained																																																	
Taxonomy (Subgroup): Pachic Haploxerolls		Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																	
<b>Profile Description:</b> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 15%;">Depth (inches)</th> <th style="width: 10%;">Horizon</th> <th style="width: 20%;">Matrix Color (Munsell Moist)</th> <th style="width: 20%;">Mottle Colors (Munsell Moist)</th> <th style="width: 20%;">Mottle (Abundance/Contrast)</th> <th style="width: 15%;">Texture, Concretions, Structure, etc.</th> </tr> </thead> <tbody> <tr> <td>0-14</td> <td>---</td> <td>10YR 3/3</td> <td>---</td> <td>---</td> <td>Sandy loam</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>				Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.	0-14	---	10YR 3/3	---	---	Sandy loam																																				
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0-14	---	10YR 3/3	---	---	Sandy loam																																														
<b>Hydric Soil Indicators:</b> <table style="width: 100%; margin-top: 5px;"> <tr> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> Histosol  <input type="checkbox"/> Histic Epipedon  <input type="checkbox"/> Sulfidic Odor  <input type="checkbox"/> Aquic Moisture Regime  <input type="checkbox"/> Reducing Conditions  <input type="checkbox"/> Gleyed or Low-Chroma Colors         </td> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> Concretions  <input type="checkbox"/> High Organic Content in surface layer in Sandy Soils  <input type="checkbox"/> Organic Streaking in Sandy Soils  <input type="checkbox"/> Listed on Local Hydric Soils List  <input type="checkbox"/> Listed on National Hydric Soils List  <input type="checkbox"/> Other (Explain in Remarks)         </td> </tr> </table>				<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in surface layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)																																														
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<b>Remarks:</b> No hydric soil indicators. There is possibly fill material from road construction.																																																			

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
					Is this Sampling Point Within a Wetland?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: Data point located near main road beneath Southern Coast Live Oak Riparian Forest. This area does not qualify as a wetland. However, it is jurisdictional under CDFG as Adjacent Riparian habitat.									

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>17 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee, Melissa A. Booker, and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 1, 20ft</u> Plot ID: <u>DP 4A, PP 4A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Arctostaphylos glandulosa</i>	S	NI	10.		
3. <i>Stellaria media</i>	H	FACU	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic plants present. Data point located near main road. Immediate area potentially has abnormal conditions due to disturbance from the road.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

Map Unit Name (Series and Phase): Visalia sandy loam		Drainage Class: <u>Moderately well drained</u>	
Taxonomy (Subgroup): Pachic Haploxerolls		Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>Profile Description:</b>			
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)
0-14	---	7.5YR 3/2	---
Mottle (Abundance/Contrast)			
Texture, Concretions, Structure, etc.			
Sandy loam			
<b>Hydric Soil Indicators:</b> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> <input type="checkbox"/> Histosol  <input type="checkbox"/> Histic Epipedon  <input type="checkbox"/> Sulfidic Odor  <input type="checkbox"/> Aquic Moisture Regime  <input type="checkbox"/> Reducing Conditions  <input type="checkbox"/> Gleyed or Low-Chroma Colors         </div> <div style="width: 45%;"> <input type="checkbox"/> Concretions  <input type="checkbox"/> High Organic Content in surface layer in Sandy Soils  <input type="checkbox"/> Organic Streaking in Sandy Soils  <input type="checkbox"/> Listed on Local Hydric Soils List  <input type="checkbox"/> Listed on National Hydric Soils List  <input type="checkbox"/> Other (Explain in Remarks)         </div> </div>			
<b>Remarks:</b> No hydric soil indicators. There is possibly fill material from road construction.			

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
					Is this Sampling Point Within a Wetland?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: Data point located near main road beneath Southern Coast Live Oak Riparian Forest. This area does not qualify as a wetland. However, it is jurisdictional under CDFG as Adjacent Riparian habitat.									

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>17 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee, Melissa A. Booker, and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 1, 30ft</u> Plot ID: <u>DP 5A, PP 5A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Arctostaphylos glandulosa</i>	S	NI	10.		
3. <i>Stellaria media</i>	H	FACU	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic plants present. Data point located near main road. Immediate area potentially has abnormal conditions due to disturbance from the road.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

[illegible]

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
					Is this Sampling Point Within a Wetland?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: Data point located near main road beneath Southern Coast Live Oak Riparian Forest. This area does not qualify as a wetland. However, it is jurisdictional under CDFG as Adjacent Riparian habitat.									

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>17 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee, Melissa A. Booker, and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 1, 40ft</u> Plot ID: <u>DP 6A, PP 6A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Bromus diandrus</i>	H	NI	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%					
Remarks: No hydrophytic plants present.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	



## SOILS

[illegible]

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
					Is this Sampling Point Within a Wetland?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.									

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>17 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee, Melissa A. Booker, and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 1, 50ft</u> Plot ID: <u>DP 7A, PP 7A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Rhamnus ilicifolia</i>	S	NI	10.		
3. <i>Bromus hordeaceus</i>	H	FACU	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic plants present.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

<b>Map Unit Name</b>		<b>Drainage Class:</b> _____
(Series and Phase): Visalia sandy loam		Field Observations
Taxonomy (Subgroup): Pachic Haploxerolls	Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

**Profile Description:**

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-14	---	10YR 3/2	---	---	Sandy loam

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in surface layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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**Remarks:** No hydric soil indicators.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
					Is this Sampling Point Within a Wetland?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.									

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>17 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee, Melissa A. Booker, and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 1, 60ft</u> Plot ID: <u>DP 8A, PP 8A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Platanus racemosa</i>	T	FACW	10.		
3. <i>Rhamnus ilicifolia</i>	S	NI	11.		
4. <i>Toxicodendron diversilobum</i>	H	NI	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 25%

Remarks: Hydrophytic vegetation criteria not satisfied.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

**Map Unit Name**

(Series and Phase): Visalia sandy loam	Drainage Class:	Moderately well drained
Taxonomy (Subgroup): Pachic Haploxerolls	Field Observations	
	Confirm Mapped Type?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

**Profile Description:**

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-14	---	10YR 3/6	---	---	Sandy loam

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

**Remarks:** No hydric soil indicators.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
					Is this Sampling Point Within a Wetland?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.									

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>17 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee, Melissa A. Booker, and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 1, 70ft</u> Plot ID: <u>DP 9A, PP 9A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Platanus racemosa</i>	T	FACW	10.		
3. <i>Toxicodendron diversilobum</i>	H	NI	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 33%					
Remarks: Hydrophytic vegetation criteria not satisfied.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	



Map Unit Name		Drainage Class: <u>Moderately well drained</u>	
(Series and Phase): Visalia sandy loam		Field Observations	
Taxonomy (Subgroup): Pachic Haploxerolls		Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

**Profile Description:**

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-14	---	10YR 3/3	---	---	Sandy loam

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in surface layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

Remarks: No hydric soil indicators.

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Is this Sampling Point Within a Wetland?					Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.								

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>17 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee, Melissa A. Booker, and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 1, 80ft</u> Plot ID: <u>DP 10A, PP 10A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Platanus racemosa</i>	T	FACW	10.		
3. <i>Toxicodendron diversilobum</i>	H	NI	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 33%

Remarks: Hydrophytic vegetation criteria not satisfied.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>-----</u> (in.) Depth to free Water in Pit <u>-----</u> (in.) Depth of Saturated Soil: <u>-----</u> (in.)	

Remarks: Hydrology indicated by presence of 10-foot wide drainage (measured at approximate ordinary high water mark). Streambed width (most likely eroded from a 100-year event) is 13 feet (measured from bank to bank).

## SOILS

<b>Map Unit Name</b> (Series and Phase): Visalia sandy loam		<b>Drainage Class:</b> Moderately well drained		
<b>Taxonomy (Subgroup):</b> Pachic Haploxerolls		<b>Field Observations</b>		
		Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
<b>Profile Description:</b>				
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist) Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0	---	---	---	Rock/Cobble

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

**Remarks:** Could not dig due to abundance of cobble. Width of cobble in drainage is 10 feet. It is possible that sediment deposits between cobble satisfy hydric conditions; however, this cannot be determined. In this case, soils are considered to be a natural atypical situation, and the presence of hydric soils is assumed.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Wetland Hydrology Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>					
Hydric Soils Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>					
					Is this Sampling Point Within a Wetland?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as an ACOE wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat. The drainage is considered to be Non-wetland Waters of the U.S. (ACOE) and is also jurisdictional under the County and CDFG.									

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>17 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee, Melissa A. Booker, and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Community ID: <u>CLORF</u>
Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Transect ID: <u>T 1, 90ft</u>
Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Plot ID: <u>DP 11A, PP 11A</u>
(If needed, explain on reverse.)	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Rhamnus ilicifolia</i>	S	NI	10.		
3. <i>Bromus diandrus</i>	H	NI	11.		
4. <i>Lonicera subspicata</i>	V	NI	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic vegetation present.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

Map Unit Name (Series and Phase): Visalia sandy loam		Drainage Class: <u>Moderately well drained</u>																																																							
Taxonomy (Subgroup): Pachic Haploxerolls		Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																							
<b>Profile Description:</b> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 10%;">Depth (inches)</th> <th style="width: 10%;">Horizon</th> <th style="width: 15%;">Matrix Color (Munsell Moist)</th> <th style="width: 15%;">Mottle Colors (Munsell Moist)</th> <th style="width: 15%;">Mottle (Abundance/Contrast)</th> <th style="width: 35%;">Texture, Concretions, Structure, etc.</th> </tr> </thead> <tbody> <tr> <td>0-10</td> <td>---</td> <td>10YR 3/2</td> <td>---</td> <td>---</td> <td>Sandy loam</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>				Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.	0-10	---	10YR 3/2	---	---	Sandy loam																																										
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0-10	---	10YR 3/2	---	---	Sandy loam																																																				
<b>Hydric Soil Indicators:</b> <table style="width: 100%; margin-top: 10px;"> <tr> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> Histosol  <input type="checkbox"/> Histic Epipedon  <input type="checkbox"/> Sulfidic Odor  <input type="checkbox"/> Aquic Moisture Regime  <input type="checkbox"/> Reducing Conditions  <input type="checkbox"/> Gleyed or Low-Chroma Colors         </td> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> Concretions  <input type="checkbox"/> High Organic Content in surface layer in Sandy Soils  <input type="checkbox"/> Organic Streaking in Sandy Soils  <input type="checkbox"/> Listed on Local Hydric Soils List  <input type="checkbox"/> Listed on National Hydric Soils List  <input type="checkbox"/> Other (Explain in Remarks)         </td> </tr> </table>				<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in surface layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)																																																				
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<b>Remarks:</b> No hydric soil indicators.																																																									

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
					Is this Sampling Point Within a Wetland?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.									

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>17 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee, Melissa A. Booker, and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 1, 100ft</u> Plot ID: <u>DP 12A, PP 12A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Rhamnus ilicifolia</i>	S	NI	10.		
3. <i>Bromus diandrus</i>	H	NI	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic vegetation present.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	



## SOILS

[illegible]

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
					Is this Sampling Point Within a Wetland?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.									

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>18 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 2, 0ft</u> Plot ID: <u>DP 13A, PP 13A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Stellaria media</i>	H	FACU	10.		
3. <i>Bromus hordeaceus</i>	H	FACU	11.		
4. <i>Taraxacum officinale</i>	H	FACU	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic vegetation present.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

[illegible]

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Is this Sampling Point Within a Wetland?					Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.								

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>18 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 2, 10ft</u> Plot ID: <u>DP 14A, PP 14A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Eriogonum fasciculatum</i>	H	NI	10.		
3. <i>Bromus diandrus</i>	H	NI	11.		
4. <i>Hirschfeldia incana</i>	H	NI	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%					
Remarks: No hydrophytic vegetation present.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>      </u> (in.) Depth to free Water in Pit <u>      </u> (in.) Depth of Saturated Soil: <u>      </u> (in.)	
Remarks: Hydrology indicated by presence of 6-foot wide drainage (measured at approximate ordinary high water mark). Streambed width is 10 feet (measured from bank to bank).	

## SOILS

<b>Map Unit Name</b> (Series and Phase): Visalia sandy loam		<b>Drainage Class:</b> Moderately well drained	
<b>Taxonomy (Subgroup):</b> Pachic Haploxerolls		<b>Field Observations</b>	
		Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>Profile Description:</b>			
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist) Mottle (Abundance/Contrast) Texture, Concretions, Structure, etc.
0	---	---	--- Rock/Cobble

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

**Remarks:** Could not dig due to abundance of cobble. Width of cobble within drainage is 6 feet. It is possible that sediment deposits between cobble satisfy hydric conditions; however, this cannot be determined. In this case, soils are considered to be a natural atypical situation, and the presence of hydric soils is assumed.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Wetland Hydrology Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>				
Hydric Soils Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>				
Is this Sampling Point Within a Wetland?					Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as an ACOE wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat. The drainage is considered to be Non-wetland Waters of the U.S. (ACOE) and is also jurisdictional under the County and CDFG.								

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>18 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 2, 20ft</u> Plot ID: <u>DP 15A, PP 15A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Eriogonum fasciculatum</i>	H	NI	10.		
3. <i>Bromus diandrus</i>	H	NI	11.		
4. <i>Picris echioides</i>	H	FAC	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 25%

Remarks: Hydrophytic vegetation criteria not satisfied.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	



## SOILS

[illegible]

## WETLAND DETERMINATION

WETLAND DETERMINATION				
Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Is this Sampling Point Within a Wetland?				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: Data point located at the edge of Southern Coast Live Oak Riparian Forest canopy. This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.				

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>18 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CSS</u> Transect ID: <u>T 3, 0ft</u> Plot ID: <u>DP 16A, PP 16A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Pennisetum setaceum</i>	H	NI	9.		
2. <i>Taraxacum officinale</i>	H	FACU	10.		
3. <i>Stellaria media</i>	H	FACU	11.		
4. <i>Bromus hordeaceus</i>	H	FACU	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic vegetation present.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

[illegible]

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
					Is this Sampling Point Within a Wetland?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: Diegan Coastal Sage Scrub habitat.									

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>18 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Community ID: <u>CSS</u>
Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Transect ID: <u>T 3, 10ft</u>
Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Plot ID: <u>DP 17A, PP 17A</u>
(If needed, explain on reverse.)	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Picris echioides</i>	H	FAC	9.		
2. <i>Bromus hordeaceus</i>	H	FACU	10.		
3. <i>Taraxacum officinale</i>	H	FACU	11.		
4. <i>Eriogonum fasciculatum</i>	H	NI	12.		
5. <i>Bromus diandrus</i>	H	NI	13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 20%					
Remarks: No hydrophytic vegetation present.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: Hydrology indicated by presence of 6-foot wide drainage (measured at approximate ordinary high water mark). Streambed width is 12 feet (measured from bank to bank).	

## SOILS

[illegible]

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Wetland Hydrology Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>				
Hydric Soils Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>				
Is this Sampling Point Within a Wetland?					Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: Data point located in Diegan Coastal Sage Scrub habitat. The drainage is considered to be Non-wetland Waters of the U.S. (ACOE) and is also jurisdictional under the County and CDFG.								

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>18 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CSS</u> Transect ID: <u>T 3, 20ft</u> Plot ID: <u>DP 18A, PP 18A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Picris echioides</i>	H	FAC	9.		
2. <i>Bromus diandrus</i>	H	NI	10.		
3. <i>Cryptantha intermedia</i>	H	NI	11.		
4. <i>Eriogonum fasciculatum</i>	H	NI	12.		
5. <i>Bromus madritensis ssp. rubens</i>	H	NI	13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 20%

Remarks: Hydrophytic vegetation criteria not satisfied.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>-----</u> (in.) Depth to free Water in Pit <u>-----</u> (in.) Depth of Saturated Soil: <u>-----</u> (in.)	
Remarks: No hydrology indicators.	



## SOILS

[illegible]

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
					Is this Sampling Point Within a Wetland?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: Data point located within Diegan Coastal Sage Scrub vegetation above bank of drainage.									

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>18 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 4, 0ft</u> Plot ID: <u>DP 19A, PP 19A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Platanus racemosa</i>	T	FACW	9.		
2. <i>Bromus diandrus</i>	H	NI	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 50%

Remarks: Hydrophytic vegetation criteria not satisfied. (Only one Western Sycamore tree present. This is not a grouping of trees.)

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>      </u> (in.) Depth to free Water in Pit <u>      </u> (in.) Depth of Saturated Soil: <u>      </u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

[illegible]

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
					Is this Sampling Point Within a Wetland?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: Data point located at the edge of Southern Coast Live Oak Riparian Forest canopy. Area is jurisdictional under CDFG as Adjacent Riparian habitat.									

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>18 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 4, 10ft</u> Plot ID: <u>DP 20A, PP 20A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Platanus racemosa</i>	T	FACW	10.		
3. <i>Bromus diandrus</i>	H	NI	11.		
4. <i>Hirschfeldia incana</i>	H	NI	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 25%

Remarks: Hydrophytic vegetation criteria not satisfied.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	

Remarks: Hydrology indicated by presence of 4-foot wide drainage (measured at approximate ordinary high water mark). Streambed width is 10 feet (measured from bank to bank).

## SOILS

[illegible]

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Wetland Hydrology Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>					
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
					Is this Sampling Point Within a Wetland?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as an ACOE wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat. The drainage is considered to be Non-wetland Waters of the U.S. (ACOE) and is also jurisdictional under the County and CDFG.									

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>18 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 4 , 20ft</u> Plot ID: <u>DP 21A, PP 21A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Eriogonum fasciculatum</i>	H	NI	10.		
3. <i>Bromus diandrus</i>	H	NI	11.		
4. <i>Bromus hordeaceus</i>	H	FACU	12.		
5. <i>Cryptantha intermedia</i>	H	NI	13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic vegetation present.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators present.	



## SOILS

[illegible]

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
					Is this Sampling Point Within a Wetland?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: Data point located at the edge of Southern Coast Live Oak Riparian Forest canopy. Understory is Diegan Coastal Sage Scrub. Area is jurisdictional under CDFG as Adjacent Riparian habitat.									

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>18 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CSS</u> Transect ID: <u>T 5, 0ft</u> Plot ID: <u>DP 22A, PP 22A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Hirschfeldia incana</i>	H	NI	9.		
2. <i>Avena barbata</i>	H	NI	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic vegetation present. Data point located in Diegan Coastal Sage Scrub vegetation with high component of non-native grasses and forbs. However, data point is also located at the edge of main access road where disturbance is greater.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

<b>Map Unit Name</b> (Series and Phase): Visalia sandy loam		<b>Drainage Class:</b> Moderately well drained	
<b>Taxonomy (Subgroup):</b> Pachic Haploxerolls		<b>Field Observations</b>	
		Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>Profile Description:</b>			
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)      Mottle (Abundance/Contrast)      Texture, Concretions, Structure, etc.
0-4"	---	10YR 3/3	--- Sandy Loam
4-6"	---	7.5YR 4/6	--- Sandy Loam
<b>Hydric Soil Indicators:</b>			
<input type="checkbox"/> Histosol		<input type="checkbox"/> Concretions	
<input type="checkbox"/> Histic Epipedon		<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils	
<input type="checkbox"/> Sulfidic Odor		<input type="checkbox"/> Organic Streaking in Sandy Soils	
<input type="checkbox"/> Aquic Moisture Regime		<input type="checkbox"/> Listed on Local Hydric Soils List	
<input type="checkbox"/> Reducing Conditions		<input type="checkbox"/> Listed on National Hydric Soils List	
<input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Other (Explain in Remarks)	
<b>Remarks:</b> Potential atypical situation, because data point is adjacent to main access road. After 6 inches of digging, shovel hit hard surface, which was most likely due to road materials.			

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
					Is this Sampling Point Within a Wetland?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: Data point located in disturbed Diegan Coastal Sage Scrub vegetation (high component of non-native, weedy vegetation). This gap in the Southern Coast Live Oak Riparian Forest could be a potential wetland mitigation area.									

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>18 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CSS</u> Transect ID: <u>T 5, 10ft</u> Plot ID: <u>DP 23A, PP 23A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Bromus diandrus</i>	H	NI	9.		
2. <i>Hirschfeldia incana</i>	H	NI	10.		
3. <i>Bromus hordeaceus</i>	H	FACU	11.		
4. <i>Picris echioides</i>	H	FAC	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 25%

Remarks: Hydrophytic vegetation criteria not satisfied. Data point located in Diegan Coastal Sage Scrub with high component of non-native grasses.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input checked="" type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: Hydrology indicated by 4-foot wide drainage (measured at approximate ordinary high water mark). Streambed width is 9 feet (measured from bank to bank).	

## SOILS

Map Unit Name (Series and Phase): Visalia sandy loam		Drainage Class: <u>Moderately well drained</u>			
Taxonomy (Subgroup): Pachic Haploxerolls		Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0	---	---	---	---	Cobble

Hydric Soil Indicators:

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: Could not dig due to presence of cobble. Cobble width within drainage is 4 feet. It is possible that sediment deposits between cobble satisfy hydric conditions; however, this cannot be determined. In this case, soils are considered to be a natural atypical situation, and the presence of hydric soils is assumed.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/>	Is this Sampling Point Within a Wetland?    Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/>	
Hydric Soils Present?	Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/>	

Remarks: The data point is not within an ACOE wetland; however, the drainage is considered to be Non-wetland Waters of the U.S. (ACOE) and is also jurisdictional under the County and CDFG.

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>18 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CSS</u> Transect ID: <u>T 5, 20ft</u> Plot ID: <u>DP 24A, PP 24A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Bromus diandrus</i>	H	NI	9.		
2. <i>Erigeron fasciculatum</i>	H	NI	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic vegetation present.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

Map Unit Name (Series and Phase): Visalia sandy loam		Drainage Class: Moderately well drained		
Taxonomy (Subgroup): Pachic Haploxerolls		Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
<b>Profile Description:</b>				
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)  (Abundance/Contrast)	Mottle   Texture, Concretions, Structure, etc.
0-14"	---	10YR 3/3	---	Sandy Loam

Hydric Soil Indicators:

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: No hydric soil indicators.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
					Is this Sampling Point Within a Wetland?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: Data point located within Diegan Coastal Sage Scrub. Area is located within gap of Southern Coast Live Oak Riparian Forest, and could be potential wetland mitigation area.									

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>18 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CSS</u> Transect ID: <u>T 6, 0ft</u> Plot ID: <u>DP 25A, PP 25A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Eriogonum fasciculatum</i>	H	NI	9.		
2. <i>Hirschfeldia incana</i>	H	NI	10.		
3. <i>Bromus diandrus</i>	H	NI	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%					
Remarks: Hydrophytic vegetation criteria not satisfied. Disturbed Coastal Sage Scrub vegetation (high component of non-native grasses).					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

[illegible]

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Is this Sampling Point Within a Wetland?					Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: Disturbed Coastal Sage Scrub vegetation (high component of non-native grasses and immediately adjacent to main access road).								

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>18 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CSS</u> Transect ID: <u>T6, 10ft</u> Plot ID: <u>DP 26A, PP 26A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Bromus diandrus</i>	H	NI	9.		
2. <i>Picris echioides</i>	H	FAC	10.		
3. <i>Hirschfeldia incana</i>	H	NI	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 33%

Remarks: Hydrophytic vegetation criteria not satisfied. Diegan Coastal Sage Scrub vegetation with high component of non-native grasses and forbs.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>      ----</u> (in.) Depth to free Water in Pit <u>      ----</u> (in.) Depth of Saturated Soil: <u>      ----</u> (in.)	

Remarks: Hydrology indicated by presence of 7-foot wide drainage (measured at approximate ordinary high water mark). Streambed width 11 feet (measured from bank to bank).

## SOILS

Map Unit Name (Series and Phase): Visalia sandy loam		Drainage Class: <u>Moderately well drained</u>			
Taxonomy (Subgroup): Pachic Haploxerolls		Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
<b>Profile Description:</b>					
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-3	---	10YR 3/2	---	---	Sandy Loam
3	---	---	---	---	Cobble

Hydric Soil Indicators:

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: Could not dig past 3 inches due to cobble. Cobble width within the drainage is 7 feet. Although it is possible that sediment deposits between cobble contain hydric characteristics, it is not expect to be so, due to the lack of hydric conditions in the surface soil.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sampling Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Hydric Soils Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Remarks: This data point does not lie within an ACOE wetland; however, the drainage is considered to be Non-wetland Waters of the U.S. (ACOE) and is also jurisdictional under the County and CDFG.	

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>18 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CSS</u> Transect ID: <u>T 6, 20ft</u> Plot ID: <u>DP 27A, PP 27A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Picris echioides</i>	H	FAC	9.		
2. <i>Bromus diandrus</i>	H	NI	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 50%

Remarks: Hydrophytic vegetation criteria not satisfied.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

[illegible]

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	Is this Sampling Point Within a Wetland?    Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	
Remarks: Disturbed Coastal Sage Scrub vegetation (high component of non-native grasses). Area has potential to serve as wetland mitigation area.					

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>18 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 6, 30ft</u> Plot ID: <u>DP 28A, PP 28A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Bromus diandrus</i>	H	NI	9.		
2. <i>Hirschfeldia incana</i>	H	NI	10.		
3. <i>Eriogonum fasciculatum</i>	H	NI	11.		
4. <i>Platanus racemosa</i>	T	FACW	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 25%

Remarks: Hydrophytic vegetation criteria not satisfied. Disturbed Diegan Coastal Sage Scrub vegetation beneath canopy of Coast Live Oak Riparian Forest.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

[illegible]

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	Is this Sampling Point Within a Wetland?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Remarks: Disturbed Coastal Sage Scrub beneath canopy of Coast Live Oak Riparian Forest. Area is jurisdictional under CDFG as Adjacent Riparian habitat.									

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>18 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 6, 40ft</u> Plot ID: <u>DP 29A, PP 29A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Eriogonum fasciculatum</i>	H	NI	9.		
2. <i>Platanus racemosa</i>	T	FACW	10.		
3. <i>Quercus agrifolia</i>	T	NI	11.		
4. <i>Amsinckia intermedia</i>	H	NI	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 25%

Remarks: Hydrophytic vegetation criteria not satisfied.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

<b>Map Unit Name</b> (Series and Phase): Visalia sandy loam		<b>Drainage Class:</b> Moderately well drained	
<b>Taxonomy (Subgroup):</b> Pachic Haploxerolls		<b>Field Observations</b> Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>Profile Description:</b>			
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)      Mottle (Abundance/Contrast)      Texture, Concretions, Structure, etc.
0-14"	---	10YR 3/2	---      ---      Sandy Loam

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

**Remarks:** No hydric soil indicators.

## WETLAND DETERMINATION

WETLAND DETERMINATION				
Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Is this Sampling Point Within a Wetland?				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: Disturbed Diegan Coastal Sage Scrub beneath the canopy of Coast Live Oak Riparian Forest. Area is jurisdictional under CDFG as Adjacent Riparian habitat.				

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>18 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 6, 50ft</u> Plot ID: <u>DP 30A, PP 30A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Platanus racemosa</i>	T	FACW	10.		
3. <i>Amsinckia intermedia</i>	H	NI	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 33%

Remarks: Hydrophytic vegetation criteria not satisfied.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

Map Unit Name (Series and Phase): Visalia sandy loam		Drainage Class: <u>Moderately well drained</u>			
Taxonomy (Subgroup): Pachic Haploxerolls		Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
<b>Profile Description:</b>					
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-16"	---	10YR 3/2	---	---	Sandy Loam
<b>Hydric Soil Indicators:</b>					
<input type="checkbox"/> Histosol		<input type="checkbox"/> Concretions			
<input type="checkbox"/> Histic Epipedon		<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils			
<input type="checkbox"/> Sulfidic Odor		<input type="checkbox"/> Organic Streaking in Sandy Soils			
<input type="checkbox"/> Aquic Moisture Regime		<input type="checkbox"/> Listed on Local Hydric Soils List			
<input type="checkbox"/> Reducing Conditions		<input type="checkbox"/> Listed on National Hydric Soils List			
<input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Other (Explain in Remarks)			
Remarks: No hydric soil indicators.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sampling Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Remarks: Data point within Coast Live Oak Riparian Forest. Area is jurisdictional under CDFG as Adjacent Riparian habitat.		

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>18 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 6, 60ft</u> Plot ID: <u>DP 31A, PP 31A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Platanus racemosa</i>	T	FACW	9.		
2. <i>Bromus diandrus</i>	H	NI	10.		
3. <i>Quercus agrifolia</i>	T	NI	11.		
4. <i>Picris echioides</i>	H	FAC	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 50%

Remarks: Hydrophytic vegetation criteria not satisfied.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

[illegible]

## WETLAND DETERMINATION

WETLAND DETERMINATION				
Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
			Is this Sampling Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: Data point within Coast Live Oak Riparian Forest. Area is jurisdictional under CDFG as Adjacent Riparian habitat.				

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>18 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Community ID: <u>CLORF</u>
Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Transect ID: <u>T 6, 70ft</u>
Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Plot ID: <u>DP 32A, PP 32A</u>
(If needed, explain on reverse.)	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Adenostoma fasciculatum</i>	S	NI	10.		
3. <i>Bromus diandrus</i>	H	NI	11.		
4. <i>Platanus racemosa</i>	T	FACW	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 25%

Remarks: Hydrophytic vegetation criteria not satisfied.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>      </u> (in.) Depth to free Water in Pit <u>      </u> (in.) Depth of Saturated Soil: <u>      </u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

Map Unit Name (Series and Phase): Visalia sandy loam		Drainage Class: Moderately well drained	
Taxonomy (Subgroup): Pachic Haploxerolls		Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Profile Description:			
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)
0-1"	---	10YR 4/6	---
Hydric Soil Indicators:			
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in surface layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)	
Remarks: No hydric soil indicators.			

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
					Is this Sampling Point Within a Wetland?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: Data point within chaparral beneath Coast Live Oak Riparian Forest canopy. Area is jurisdictional under CDFG as Adjacent Riparian habitat.									

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>18 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u>	
Transect ID: _____	
Plot ID: <u>DP 33A, PP 33A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Platanus racemosa</i>	T	FACW	9.		
2. <i>Quercus agrifolia</i>	T	NI	10.		
3. <i>Artemisia douglasiana</i>	H	FACW	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 66%

Remarks: Data point is located just east of Transect 6. Hydrophytic vegetation criteria satisfied. Area qualifies as County RPO and CDFG wetland.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: Small depression in the topography where water is able to pond.	

## SOILS

Map Unit Name		Drainage Class:		<u>Moderately well drained</u>	
(Series and Phase): Visalia sandy loam		Field Observations			
Taxonomy (Subgroup): Pachic Haploxerolls		Confirm Mapped Type?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>Profile Description:</b>					
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-14	---	7.5YR 3/3	---	---	Loamy Sand
<b>Hydric Soil Indicators:</b> <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Histosol  <input type="checkbox"/> Histic Epipedon  <input type="checkbox"/> Sulfidic Odor  <input type="checkbox"/> Aquic Moisture Regime  <input type="checkbox"/> Reducing Conditions  <input type="checkbox"/> Gleyed or Low-Chroma Colors         </div> <div> <input type="checkbox"/> Concretions  <input checked="" type="checkbox"/> High Organic Content in surface layer in Sandy Soils  <input type="checkbox"/> Organic Streaking in Sandy Soils  <input type="checkbox"/> Listed on Local Hydric Soils List  <input type="checkbox"/> Listed on National Hydric Soils List  <input type="checkbox"/> Other (Explain in Remarks)         </div> </div>					
Remarks: Hydric soil indicted by high organic content in the surface layer. Area qualifies as County RPO, CDFG, and ACOE wetland.					

## WETLAND DETERMINATION

WETLAND DETERMINATION				
Hydrophytic Vegetation Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Wetland Hydrology Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Hydric Soils Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
			Is this Sampling Point Within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Remarks: Data point located approximately 10 feet east of Transect 6 at the 60-foot mark. Area of Southern Coast Live Oak Riparian Forest is jurisdictional under County RPO, CDFG, and ACOE.				

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>18 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u>	
Transect ID: _____	
Plot ID: <u>DP 34A, PP 34A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Platanus racemosa</i>	T	FACW	9.		
2. <i>Quercus agrifolia</i>	T	NI	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 50%

Remarks: Hydrophytic vegetation criteria not satisfied.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

Map Unit Name (Series and Phase): Visalia sandy loam		Drainage Class: Moderately well drained		
Taxonomy (Subgroup): Pachic Haploxerolls		Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
<b>Profile Description:</b>				
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)  Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-14"	---	10YR 4/6	---	Sandy Loam

Hydric Soil Indicators:

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: No hydric soil indicators.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Is this Sampling Point Within a Wetland?					Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: Data point located just outside of depression near Data point 33A. Area is jurisdictional under CDFG as Adjacent Riparian habitat.								

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>19 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 7, 0 ft</u> Plot ID: <u>DP 35A, PP 35A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Rhamnus ilicifolia</i>	S	NI	9.		
2. <i>Lonicera subspicata</i>	V	NI	10.		
3. <i>Bromus diandrus</i>	H	NI	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: Hydrophytic vegetation criteria not satisfied.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

[illegible]

## WETLAND DETERMINATION

WETLAND DETERMINATION				
Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
			Is this Sampling Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: Data point located in Southern Coast Live Oak Riparian Forest. Area is jurisdictional under CDFG as Adjacent Riparian habitat.				

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>19 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 7, 10 ft</u> Plot ID: <u>DP 36A, PP 36A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Rhamnus ilicifolia</i>	S	NI	10.		
3. <i>Amsinckia intermedia</i>	H	NI	11.		
4. <i>Raphanus sativus</i>	H	NI	12.		
5. <i>Bromus diandrus</i>	H	NI	13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic vegetation present.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: Hydrology is indicated by the presence of 6'-wide drainage (measured at approximate ordinary high water mark). Streambed width is 14 feet (measured from bank to bank).	

## SOILS

<b>Map Unit Name</b> (Series and Phase): Visalia sandy loam		<b>Drainage Class:</b> Moderately well drained		
<b>Taxonomy (Subgroup):</b> Pachic Haploxerolls		<b>Field Observations</b>		
		<b>Confirm Mapped Type?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
<b>Profile Description:</b>				
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)  Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0	---	---	---	Cobble

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

**Remarks:** Could not dig due to high cobble content. Non-soil width within drainage is 6 feet. It is possible that sediment deposits between cobble satisfy hydric conditions; however, this cannot be determined. In this case, soils are considered to be a natural atypical situation, and the presence of hydric soils is assumed.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Wetland Hydrology Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>					
Hydric Soils Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>					
					Is this Sampling Point Within a Wetland?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as an ACOE wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat. The drainage is also considered to be Non-wetland Waters of the U.S. (ACOE) and is also jurisdictional under the County and CDFG.									

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>19 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 7, 20 ft</u> Plot ID: <u>DP 37A, PP 37A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Eriogonum fasciculatum</i>	S	NI	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%					
Remarks: Hydrophytic vegetation criteria not satisfied.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators. Data Point lies just outside of bank.	

## SOILS

[illegible]

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
					Is this Sampling Point Within a Wetland?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: Data point located in Southern Coast Live Oak Riparian Forest. Area is jurisdictional under CDFG as Adjacent Riparian habitat.									

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>19 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 8 , 0 ft</u> Plot ID: <u>DP 38A, PP 38A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Platanus racemosa</i>	T	FACW	10.		
3. <i>Taraxacum officinale</i>	H	FACU	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 33%

Remarks: Hydrophytic vegetation criteria not satisfied.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

[illegible]

## WETLAND DETERMINATION

WETLAND DETERMINATION				
Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Is this Sampling Point Within a Wetland?				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: Data point located in Southern Coast Live Oak Riparian Forest, adjacent to main access road. Area is jurisdictional under CDFG as Adjacent Riparian habitat.				

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>19 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 8, 10 ft</u> Plot ID: <u>DP 39A, PP 39A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Platanus racemosa</i>	T	FACW	10.		
3. <i>Bromus diandrus</i>	H	NI	11.		
4. <i>Pennisetum setaceum</i>	H	NI	12.		
5. <i>Lolium temulentum</i>	H	NI	13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 20%

Remarks: Hydrophytic vegetation criteria not satisfied.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: Hydrology is indicated by 5'-wide drainage (measured at approximate ordinary high water mark). Streambed width is 10 feet (measured from bank to bank).	

## SOILS

Map Unit Name (Series and Phase): Visalia sandy loam		Drainage Class: <u>Moderately well drained</u>			
Taxonomy (Subgroup): Pachic Haploxerolls		Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

**Profile Description:**

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0	---	---	---	---	Cobble

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

**Remarks:** Could not dig due to high cobble content. Non-soil width within drainage is 5 feet. It is possible that sediment deposits between cobble satisfy hydric conditions; however, this cannot be determined. In this case, soils are considered to be a natural atypical situation, and the presence of hydric soils is assumed.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sampling Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Hydric Soils Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

**Remarks:** This area of Southern Coast Live Oak Riparian Forest does not qualify as an ACOE wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat. The drainage is also considered to be Non-wetland Waters of the U.S. (ACOE) and is also jurisdictional under the County and CDFG.

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>19 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 8, 20 ft</u> Plot ID: <u>DP 40A, PP 40A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Platanus racemosa</i>	T	FACW	10.		
3. <i>Bromus diandrus</i>	H	NI	11.		
4. <i>Rhamnus ilicifolia</i>	S	NI	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 25%

Remarks: Hydrophytic vegetation criteria not satisfied.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

[illegible]

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Is this Sampling Point Within a Wetland?					Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: Data point is within Southern Coast Live Oak Riparian Forest. This area is jurisdictional under CDFG as Adjacent Riparian habitat.								

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>19 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 8,26 ft*</u> Plot ID: <u>DP 41A, PP 41A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Platanus racemosa</i>	T	FACW	10.		
3. <i>Bromus diandrus</i>	H	NI	11.		
4. <i>Rhamnus ilicifolia</i>	S	NI	12.		
5. <i>Toxicodendron diversilobum</i>	S	NI	13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 20%

Remarks: Hydrophytic vegetation criteria not satisfied.

\* Data Point taken at 26-foot mark rather than 30-foot mark due to dense Poison Oak.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

Map Unit Name (Series and Phase): Visalia sandy loam		Drainage Class: Moderately well drained	
Taxonomy (Subgroup): Pachic Haploxerolls		Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b><u>Profile Description:</u></b>			
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)      Mottle (Abundance/Contrast)      Texture, Concretions, Structure, etc.
0-14"	---	10YR 3/2	---      ---      Sandy loam

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

**Remarks:** No hydric soil indicators.

## WETLAND DETERMINATION

WETLAND DETERMINATION				
Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Is this Sampling Point Within a Wetland?				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: Data point is within Coast Live Oak Riparian Forest. Area is jurisdictional under CDFG as Adjacent Riparian habitat. No wetland vegetation or drainages beyond this Data point along transect.				

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>19 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T9, 0 ft</u> Plot ID: <u>DP 42A, PP 42A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Salix lucida ssp. lasiandra</i>	T	OBL	10.		
3. <i>Bromus diandrus</i>	H	NI	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 33%

Remarks: Hydrophytic vegetation criteria not satisfied.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

[illegible]

## WETLAND DETERMINATION

WETLAND DETERMINATION				
Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Is this Sampling Point Within a Wetland?				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: Data point located in Southern Coast Live Oak Riparian Forest. Area is jurisdictional under CDFG as Adjacent Riparian habitat.				

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>19 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T9, 10 ft</u> Plot ID: <u>DP 43A, PP 43A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Salix lucida ssp. lasiandra</i>	T	OBL	10.		
3. <i>Bromus diandrus</i>	H	NI	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 33%

Remarks: Hydrophytic vegetation criteria not satisfied.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators. Data point located at edge of bank.	

## SOILS

Map Unit Name (Series and Phase): Visalia sandy loam		Drainage Class: <u>Moderately well drained</u>			
Taxonomy (Subgroup): Pachic Haploxerolls		Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

**Profile Description:**

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-10	---	7.5YR 2.5/2	---	---	Sandy Loam
10-14	---	10YR 4/2	---	---	Sandy Loam

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in surface layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

Remarks: No hydric soil indicators.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sampling Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Remarks: Data point located beneath Southern Coast Live Oak Riparian Forest canopy. Area is jurisdictional under CDFG as Adjacent Riparian habitat.	

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>19 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T9, 20 ft</u> Plot ID: <u>DP 44A, PP 44A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Salix lucida ssp. lasiandra</i>	T	OBL	10.		
3. <i>Bromus diandrus</i>	H	NI	11.		
4. <i>Picris echioides</i>	H	FAC	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 50%

Remarks: Hydrophytic vegetation criteria not satisfied. Data point located under canopy of Southern Coast Live Oak Riparian Forest.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	

Remarks: Streambed spans a width of 9 feet from bank to bank. Hydrology indicated by 6-foot wide drainage (measured at approximate ordinary high water mark).

## SOILS

Map Unit Name (Series and Phase): Visalia sandy loam		Drainage Class: <u>Moderately well drained</u>			
Taxonomy (Subgroup): Pachic Haploxerolls		Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

**Profile Description:**

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0	---	---	---	---	Cobble

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

**Remarks:** Could not dig test pit in cobble. Cobble width within drainage is 6 feet. It is possible that sediment deposits between cobble satisfy hydric conditions; however, this cannot be determined. In this case, soils are considered to be a natural atypical situation, and the presence of hydric soils is assumed.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sampling Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Hydric Soils Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

**Remarks:** This area of Southern Coast Live Oak Riparian Forest does not qualify as an ACOE wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat. The drainage is also considered to be Non-wetland Waters of the U.S. (ACOE) and is also jurisdictional under the County and CDFG.

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>19 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T9, 30 ft</u> Plot ID: <u>DP 45A, PP 45A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Platanus racemosa</i>	T	FACW	10.		
3. <i>Bromus diandrus</i>	H	NI	11.		
4. <i>Picris echioides</i>	H	FAC	12.		
5. <i>Rhamnus ilicifolia</i>	S	NI	13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 40%

Remarks: Hydrophytic vegetation criteria not satisfied.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

[illegible]

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Is this Sampling Point Within a Wetland?					Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: Data point located within Southern Coast Live Oak Riparian Forest. Area is jurisdictional under CDFG as Adjacent Riparian habitat.								

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>19 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T9, 40 ft</u> Plot ID: <u>DP 46A, PP 46A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Platanus racemosa</i>	T	FACW	10.		
3. <i>Bromus diandrus</i>	H	NI	11.		
4. <i>Picris echioides</i>	H	FAC	12.		
5. <i>Rhamnus ilicifolia</i>	S	NI	13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 40%

Remarks: Hydrophytic vegetation criteria not satisfied.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

[illegible]

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
					Is this Sampling Point Within a Wetland?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: Data point located within Southern Coast Live Oak Riparian Forest. Area is jurisdictional under CDFG as Adjacent Riparian habitat.									

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u> Applicant/Owner: <u>Salvation Army</u> Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	Date: <u>19 December 2001</u> County: <u>San Diego</u> State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	Community ID: <u>CLORF</u> Transect ID: <u>T9, 50 ft</u> Plot ID: <u>DP 47A, PP 47A</u>

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Rhamnus ilicifolia</i>	S	NI	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic vegetation present.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

**Map Unit Name**

(Series and Phase): Visalia sandy loam	Drainage Class: Moderately well drained
Taxonomy (Subgroup): Pachic Haploxerolls	Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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**Profile Description:**

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-14"	---	7.5YR 3/2	---	---	Sandy Loam

---

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

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**Remarks:** No hydric soil indicators.

## WETLAND DETERMINATION

WETLAND DETERMINATION				
Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
			Is this Sampling Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: Data point located within Southern Coast Live Oak Riparian Forest. Area is jurisdictional under CDFG as Adjacent Riparian habitat. No wetland vegetation or drainages beyond transect.				

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>19 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T10, 0 ft</u> Plot ID: <u>DP 48A, PP 48A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Bromus hordeaceus</i>	H	FACU	10.		
3. <i>Bromus diandrus</i>	H	NI	11.		
4. <i>Hirschfeldia incana</i>	H	NI	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic vegetation present.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

[illegible]

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Is this Sampling Point Within a Wetland?					Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: Data point located within Southern Coast Live Oak Riparian Forest. Area is jurisdictional under CDFG as Adjacent Riparian habitat.								

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>19 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: _____ Transect ID: <u>T10, 10 ft</u> Plot ID: <u>DP 49A, PP 49A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Picris echioides</i>	H	FAC	10.		
3. <i>Bromus hordeaceus</i>	H	FACU	11.		
4. <i>Hirschfeldia incana</i>	H	NI	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 25%

Remarks: Hydrophytic vegetation criteria not satisfied.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

Map Unit Name		Drainage Class: <u>Moderately well drained</u>	
(Series and Phase): <u>Visalia sandy loam</u>		Field Observations	
Taxonomy (Subgroup): <u>Pachic Haploxerolls</u>		Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>Profile Description:</b>			
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)
			Mottle (Abundance/Contrast)
			Texture, Concretions, Structure, etc.
0-12	---	10YR 3/2	---
12-14	---	---	---
<b>Hydric Soil Indicators:</b>			
<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions		
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils		
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils		
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List		
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List		
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)		
Remarks: <u>No hydric soil indicators. Soil is moist, but not saturated.</u>			

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Is this Sampling Point Within a Wetland?					Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: Data point located within Southern Coast Live Oak Riparian Forest. Area is jurisdictional under CDFG as Adjacent Riparian habitat.								

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>19 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T10, 20 ft</u> Plot ID: <u>DP 50A, PP 50A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Picris echioides</i>	H	FAC	9.		
2. <i>Salix lucida ssp. lasiandra</i>	T	OBL	10.		
3. <i>Raphanus sativus</i>	H	NI	11.		
4. <i>Artemisia douglasiana</i>	H	FACW	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 75%

Remarks: Hydrophytic vegetation criteria satisfied. Willows overhanging data point.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: Hydrology indicated by 9-foot wide drainage.	

## SOILS

[illegible]

## WETLAND DETERMINATION

WETLAND DETERMINATION				
Hydrophytic Vegetation Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Wetland Hydrology Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
			Is this Sampling Point Within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: Area is not considered an ACOE jurisdictional wetland. However, the area is jurisdictional under CDFG and County RPO. The drainage is also jurisdictional under ACOE as a Non-wetland Water of the U.S.				

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>19 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 10, 30ft</u> Plot ID: <u>DP 51A, PP 51A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Salix lucida ssp. lasiandra</i>	T	OBL	9.		
2. <i>Rhamnus ilicifolia</i>	S	NI	10.		
3. <i>Picris echioides</i>	H	FAC	11.		
4. <i>Raphanus sativus</i>	H	NI	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 50%

Remarks: Hydrophytic vegetation criteria not satisfied.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: Data point located within 10-foot wide drainage (measured at approximate ordinary high water mark). Streambed width is 15 feet (measured from bank to bank).	

## SOILS

<b>Map Unit Name</b> (Series and Phase): Visalia sandy loam		<b>Drainage Class:</b> Moderately well drained	
<b>Taxonomy (Subgroup):</b> Pachic Haploxerolls		<b>Field Observations</b>	
		<b>Confirm Mapped Type?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>Profile Description:</b>			
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)  Mottle (Abundance/Contrast) Texture, Concretions, Structure, etc.
0	---	---	Cobble

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

**Remarks:** Could not dig through cobble. Cobble spans a width of 10 feet within drainage. It is possible that sediment deposits between cobble satisfy hydric conditions; however, this cannot be determined. In this case, soils are considered to be a natural atypical situation, and the presence of hydric soils is assumed.

## WETLAND DETERMINATION

WETLAND DETERMINATION			
Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes	<input checked="" type="checkbox"/>	No <input type="checkbox"/>
Hydric Soils Present?	Yes	<input checked="" type="checkbox"/>	No <input type="checkbox"/>
			Is this Sampling Point Within a Wetland?    Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as an ACOE wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat. The drainage is also considered to be Non-wetland Waters of the U.S. (ACOE) and is also jurisdictional under the County and CDFG.			

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>19 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Community ID: <u>CLORF</u>
Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Transect ID: <u>T10, 40 ft</u>
Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Plot ID: <u>DP 52A, PP 52A</u>
(If needed, explain on reverse.)	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Picris echioides</i>	H	FAC	9.		
2. <i>Platanus racemosa</i>	T	FACW	10.		
3. <i>Raphanus sativus</i>	H	NI	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 66%

Remarks: Hydrophytic vegetation criteria satisfied.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: Hydrology is indicated by 16-foot wide drainage (measured at approximate ordinary high water mark). Streambed width is 20 feet (measured from bank to bank). This is the same drainage as the one sampled in previous data point. The drainage takes a turn and runs along the transect rather than perpendicularly to it.	

## SOILS

<b>Map Unit Name</b> (Series and Phase): Visalia sandy loam		<b>Drainage Class:</b> Moderately well drained	
<b>Taxonomy (Subgroup):</b> Pachic Haploxerolls		<b>Field Observations</b> Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>Profile Description:</b>			
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)  Mottle (Abundance/Contrast)  Texture, Concretions, Structure, etc.
0	---	---	Cobble

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

**Remarks:** Could not dig in cobble substrate. Width of Cobble within drainage is 16 feet. It is possible that sediment deposits between cobble satisfy hydric conditions; however, this cannot be determined. In this case, soils are considered to be a natural atypical situation, and the presence of hydric soils is assumed.

## WETLAND DETERMINATION

WETLAND DETERMINATION				
Hydrophytic Vegetation Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Wetland Hydrology Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Hydric Soils Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Is this Sampling Point Within a Wetland?				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Remarks: This area of Southern Coast Live Oak Riparian Forest is jurisdictional under ACOE, CDFG, and the County.				

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>19 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 10, 50ft</u> Plot ID: <u>DP 53A, PP 53A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Platanus racemosa</i>	T	FACW	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 100%

Remarks: Data point is on boulder with Sycamore hanging over the point.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	



## SOILS

Map Unit Name (Series and Phase): Visalia sandy loam			Drainage Class: Moderately well drained		
Taxonomy (Subgroup): Pachic Haploxerolls			Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
<b>Profile Description:</b>					
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0	---	---	---	---	Large boulder
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol					
<input type="checkbox"/> Histic Epipedon					
<input type="checkbox"/> Sulfidic Odor					
<input type="checkbox"/> Aquic Moisture Regime					
<input type="checkbox"/> Reducing Conditions					
<input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions					
<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils					
<input type="checkbox"/> Organic Streaking in Sandy Soils					
<input type="checkbox"/> Listed on Local Hydric Soils List					
<input type="checkbox"/> Listed on National Hydric Soils List					
<input type="checkbox"/> Other (Explain in Remarks)					
Remarks: Soils not sampled due to presence of large boulder.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Is this Sampling Point Within a Wetland?    Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as an ACOE wetland. However, it is jurisdictional under CDFG and County RPO.					

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>19 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 10, 60ft</u> Plot ID: <u>DP 54A, PP 54A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Platanus racemosa</i>	T	FACW	9.		
2. <i>Bromus diandrus</i>	H	NI	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 50%

Remarks: Hydrophytic vegetation criteria not satisfied.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

[illegible]

## WETLAND DETERMINATION

WETLAND DETERMINATION			
Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No <input checked="" type="checkbox"/>
Hydric Soils Present?	Yes	<input type="checkbox"/>	No <input checked="" type="checkbox"/>
Is this Sampling Point Within a Wetland?    Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as an ACOE wetland. However, the area is jurisdictional under CDFG and the County (see Data Point 53A).			

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>19 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 10, 70ft</u> Plot ID: <u>DP 55A, PP 55A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Platanus racemosa</i>	T	FACW	9.		
2. <i>Bromus diandrus</i>	H	NI	10.		
3. <i>Eriogonum fasciculatum</i>	H	NI	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 33%

Remarks: Hydrophytic vegetation criteria not satisfied. Sycamore overhanging data point.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

[illegible]

## WETLAND DETERMINATION

WETLAND DETERMINATION				
Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Is this Sampling Point Within a Wetland?				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as an ACOE wetland. However, the area is jurisdictional under CDFG and the County (see Data Point 53A). Beyond this data point, the transect continues up-slope. All vegetation beneath and beyond this grouping of Western Sycamores is upland vegetation.				

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>20 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Brian D. Parker</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 11, 0ft</u> Plot ID: <u>DP 56A, PP 56A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Rhamnus ilicifolia</i>	S	NI	10.		
3. <i>Toxicodendron diversilobum</i>	H	NI	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic vegetation present. Coast Live Oak Riparian Forest vegetation.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

<b>Map Unit Name</b> (Series and Phase): Visalia sandy loam		<b>Drainage Class:</b> Moderately well drained	
<b>Taxonomy (Subgroup):</b> Pachic Haploxerolls		<b>Field Observations</b> Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>Profile Description:</b>			
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)
0-8	---	7.5YR 3/2	---
8-12	---	10YR 4/4	---

Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
---	Sandy Loam
---	Sandy Loam

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

**Remarks:** No hydric soil indicators. Hit rock at 12 inches.

## WETLAND DETERMINATION

WETLAND DETERMINATION				
Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Is this Sampling Point Within a Wetland?				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.				

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>20 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Brian D. Parker</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 11, 10ft</u> Plot ID: <u>DP 57A, PP57A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Bromus diandrus</i>	H	NI	10.		
3. <i>Toxicodendron diversilobum</i>	S	NI	11.		
4. <i>Picris echioides</i>	H	FAC	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 25%

Remarks: Hydrophytic vegetation criteria not satisfied.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

Map Unit Name (Series and Phase): Visalia sandy loam		Drainage Class: <u>Moderately well drained</u>	
Taxonomy (Subgroup): Pachic Haploxerolls		Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

**Profile Description:**

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-7	---	7.5YR 3/2	---	---	Sandy Loam
7-14	---	10YR 4/4	---	---	Sandy Loam

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in surface layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

Remarks: No hydric soil indicators.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/>	Is this Sampling Point Within a Wetland?    Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/>	

Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>20 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Brian D. Parker</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 11, 20ft</u> Plot ID: <u>DP 58A, PP 58A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Picris echioides</i>	H	FAC	10.		
3. <i>Toxicodendron diversilobum</i>	H	NI	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 33%

Remarks: Hydrophytic vegetation criteria not satisfied.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: Hydrology indicated by 6-foot wide drainage (measured at approximate ordinary high water mark). Streambed width is 10 feet (measured from bank to bank).	



## SOILS

[illegible]

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Wetland Hydrology Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>					
Hydric Soils Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>					
					Is this Sampling Point Within a Wetland?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as an ACOE wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat. The drainage is considered to be Non-wetland Waters of the U.S. (ACOE) and is also jurisdictional under the County and CDFG.									

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>20 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Brian D. Parker</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>NNG</u> Transect ID: <u>T 11, 30ft</u> Plot ID: <u>DP 59A, PP 59A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Raphanus sativus</i>	H	NI	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%					
Remarks: No hydrophytic vegetation present.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

[illegible]

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	Is this Sampling Point Within a Wetland?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Remarks: Non-native Grassland vegetation dominated by Radish. This is a potential wetland mitigation area adjacent to Southern Coast Live Oak Riparian Forest habitat.									

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>20 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Brian D. Parker</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>NNG</u> Transect ID: <u>T 11, 40ft</u> Plot ID: <u>DP 60A, PP 60A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Raphanus sativus</i>	H	NI	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic vegetation present.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

<b>Map Unit Name</b> (Series and Phase): Visalia sandy loam		<b>Drainage Class:</b> Moderately well drained	
<b>Taxonomy (Subgroup):</b> Pachic Haploxerolls		<b>Field Observations</b> Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>Profile Description:</b>			
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)  (Abundance/Contrast)
0-14	---	7.5YR 3/2	--- Sandy Loam

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

**Remarks:** No hydric soil indicators.

## WETLAND DETERMINATION

WETLAND DETERMINATION			
Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No <input checked="" type="checkbox"/>
Hydric Soils Present?	Yes	<input type="checkbox"/>	No <input checked="" type="checkbox"/>
Is this Sampling Point Within a Wetland?    Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
Remarks: Non-native Grassland vegetation dominated by Radish. This is a potential wetland mitigation area adjacent to Southern Coast Live Oak Riparian Forest habitat.			

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>20 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Brian D. Parker</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>NNG</u> Transect ID: <u>T 11, 50ft</u> Plot ID: <u>DP 61A, PP 61A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Raphanus sativus</i>	H	NI	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%					
Remarks: No hydrophytic vegetation present.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

<b>Map Unit Name</b> (Series and Phase): Visalia sandy loam		<b>Drainage Class:</b> Moderately well drained	
<b>Taxonomy (Subgroup):</b> Pachic Haploxerolls		<b>Field Observations</b> Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>Profile Description:</b>			
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)
0-14	---	7.5YR 3/2	---
<b>Texture, Concretions, Structure, etc.</b> Sandy Loam			
<b>Hydric Soil Indicators:</b>			
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in surface layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)	
<b>Remarks:</b> No hydric soil indicators.			

## WETLAND DETERMINATION

WETLAND DETERMINATION				
Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Is this Sampling Point Within a Wetland?				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: Non-native Grassland vegetation dominated by Radish. This is a potential wetland mitigation area adjacent to Southern Coast Live Oak Riparian Forest habitat.				

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>20 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Brian D. Parker</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>NNG</u> Transect ID: <u>T 11, 60ft</u> Plot ID: <u>DP 62A, PP 62A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Raphanus sativus</i>	H	NI	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic vegetation present.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

<b>Map Unit Name</b> (Series and Phase): Visalia sandy loam		<b>Drainage Class:</b> Moderately well drained	
		<b>Field Observations</b>	
<b>Taxonomy (Subgroup):</b> Pachic Haploxerolls		<b>Confirm Mapped Type?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

**Profile Description:**

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-6	---	---	---	---	Sand
6-10	---	10YR 3/2	---	---	Silt Loam
10-16	---	10YR 4/4	---	---	Silt Loam

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

**Remarks:** No hydric soil indicators.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
					Is this Sampling Point Within a Wetland?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: Non-native Grassland vegetation dominated by Radish. This is a potential wetland mitigation area adjacent to Southern Coast Live Oak Riparian Forest habitat.									

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>20 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Brian D. Parker</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>DIST</u> Transect ID: <u>T 11, 70ft</u> Plot ID: <u>DP 63A, PP 63A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Raphanus sativus</i>	H	NI	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: Disturbed habitat dominated by *Raphanus*.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	



## SOILS

[illegible]

## WETLAND DETERMINATION

Wetland Determination					
Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sampling Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
Remarks: Disturbed habitat.					

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>20 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Brian D. Parker</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>NNG</u> Transect ID: <u>T 11, 80ft</u> Plot ID: <u>DP 64A, PP 64A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Raphanus sativus</i>	H	NI	9.		
2. <i>Bromus diandrus</i>	H	NI	10.		
3. <i>Galium angustifolium</i>	H	FAC	11.		
4. <i>Picris echioides</i>	H	NI	12.		
5. <i>Silybum marianum</i>	H	NI	13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 20%

Remarks: Hydrophytic vegetation criteria not satisfied.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

[illegible]

## WETLAND DETERMINATION

WETLAND DETERMINATION				
Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
				Is this Sampling Point Within a Wetland?    Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: Non-native Grassland vegetation dominated by Radish.    This is a potential wetland mitigation area adjacent to Southern Coast Live Oak Riparian Forest habitat.				

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>20 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Brian D. Parker</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>NNG</u> Transect ID: <u>T 11, 90ft</u> Plot ID: <u>DP 65A, PP 65A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Raphanus sativus</i>	H	NI	9.		
2. <i>Bromus diandrus</i>	H	NI	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%					
Remarks: No hydrophytic vegetation present.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

Map Unit Name (Series and Phase): Cieneba rocky coarse sandy loam		Drainage Class: <u>Excessively drained</u>	
Taxonomy (Subgroup): Typic Xerorthents		Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

**Profile Description:**

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-14	---	10YR 3/3	---	---	Loamy Sand
			---	---	

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: No hydric soil indicators.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sampling Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Remarks: Non-native Grassland vegetation dominated by Radish. This is a potential wetland mitigation area adjacent to Southern Coast Live Oak Riparian Forest habitat.	

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>20 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Brian D. Parker</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>NNG</u> Transect ID: <u>T 11, 100ft</u> Plot ID: <u>DP 66A, PP 66A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Bromus diandrus</i>	H	NI	9.		
2. <i>Eriogonum fasciculatum</i>	H	NI	10.		
3. <i>Amsinckia intermedia</i>	H	NI	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic vegetation present.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

[illegible]

## WETLAND DETERMINATION

WETLAND DETERMINATION				
Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Is this Sampling Point Within a Wetland?				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: Non-native Grassland vegetation dominated by Radish. This is a potential wetland mitigation area adjacent to Southern Coast Live Oak Riparian Forest habitat.				

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>20 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Brian D. Parker</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u>	
Transect ID: _____	
Plot ID: <u>DP 67A, PP 67A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Artemisia douglasiana</i>	H	FACW	9.		
2. <i>Bromus diandrus</i>	H	NI	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 50%

Remarks: Hydrophytic vegetation criteria not satisfied. Area consists of patch of Mugwort beneath break in canopy of Southern Coast Live Oak Riparian Forest.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: _____ (in.) Depth to free Water in Pit _____ (in.) Depth of Saturated Soil: _____ (in.)	
Remarks: No hydrology indicators.	

## SOILS

[illegible]

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Is this Sampling Point Within a Wetland?					Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: This small area is included in the mapping of Southern Coast Live Oak Riparian Forest, and does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.								

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>20 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Brian D. Parker</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u>	
Transect ID: _____	
Plot ID: <u>DP 68A, PP 68A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9. _____		
2. <i>Bromus diandrus</i>	H	NI	10. _____		
3. <i>Platanus racemosa</i>	T	FACW	11. _____		
4. <i>Toxicodendron diversilobum</i>	H	NI	12. _____		
5. _____			13. _____		
6. _____			14. _____		
7. _____			15. _____		
8. _____			16. _____		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 25%

Remarks: Hydrophytic vegetation criteria not satisfied. However, per County direction this grouping of Western Sycamores is considered County RPO wetlands.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: _____ (in.) Depth to free Water in Pit _____ (in.) Depth of Saturated Soil: _____ (in.)	
Remarks: No hydrology indicators.	



## SOILS

[illegible]

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
					Is this Sampling Point Within a Wetland?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as an ACOE wetland. However, the area is jurisdictional under the County and CDFG as Adjacent Riparian habitat.									

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>20 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Brian D. Parker</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>NNG</u>	
Transect ID: _____	
Plot ID: <u>DP 69A, PP 69A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Raphanus sativus</i>	H	NI	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic vegetation present.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

Map Unit Name (Series and Phase): Cieneba rocky coarse sandy loam		Drainage Class: <u>Excessively drained</u>	
Taxonomy (Subgroup): Typic Xerorthents		Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

**Profile Description:**

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-14	---	10 YR 3/2	---	---	Sandy Loam

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in surface layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

Remarks: No hydric soil indicators.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sampling Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks: Non-native Grassland vegetation dominated by Radish. This is a potential wetland mitigation area adjacent to Southern Coast Live Oak Riparian Forest habitat.

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>20 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Brian D. Parker</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>DIST</u> Transect ID: <u>T12 , 0ft</u> Plot ID: <u>DP 70A, PP 70A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Silybum marianum</i>	H	NI	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic vegetation present.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>      </u> (in.) Depth to free Water in Pit <u>      </u> (in.) Depth of Saturated Soil: <u>      </u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

[illegible]

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Is this Sampling Point Within a Wetland?					Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: Non-native Grassland vegetation dominated by Milk Thistle. This is a potential wetland mitigation area adjacent to Southern Coast Live Oak Riparian Forest habitat.								

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>26 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>NNG</u> Transect ID: <u>T 12, 10ft</u> Plot ID: <u>DP 71A, PP 71A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Silybum marianum</i>	H	NI	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic vegetation present.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

Map Unit Name (Series and Phase): Cieneba rocky coarse sandy loam		Drainage Class: <u>Excessively drained</u>	
Taxonomy (Subgroup): Typic Xerorthents		Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

**Profile Description:**

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-14	---	7.5YR 3/2	---	---	Loam

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: No hydric soil indicators.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sampling Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks: Non-native Grassland vegetation dominated by Milk Thistle. This is a potential wetland mitigation area adjacent to Southern Coast Live Oak Riparian Forest habitat.

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>26 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>NNG</u> Transect ID: <u>T 12, 20ft</u> Plot ID: <u>DP 72A, PP 72A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Silybum marianum</i>	H	NI	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%					
Remarks: No hydrophytic vegetation present.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

[illegible]

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
					Is this Sampling Point Within a Wetland?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: Non-native Grassland vegetation dominated by Milk Thistle. This is a potential wetland mitigation area adjacent to Southern Coast Live Oak Riparian Forest habitat.									

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>26 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>NNG</u> Transect ID: <u>T 12, 30ft</u> Plot ID: <u>DP 73A, PP 73A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Silybum marianum</i>	H	NI	9.		
2. <i>Picris echioides</i>	H	FAC	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 50%					
Remarks: Hydrophytic vegetation criteria not satisfied.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	



[illegible]

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Is this Sampling Point Within a Wetland?					Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: Non-native Grassland vegetation dominated by Milk Thistle. This is a potential wetland mitigation area adjacent to Southern Coast Live Oak Riparian Forest habitat. This transect continues in upland vegetation and heads upslope.								

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>26 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Community ID: <u>CLORF</u>
Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Transect ID: <u>T 13, 0ft</u>
Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Plot ID: <u>DP 74A, PP 74A</u>
(If needed, explain on reverse.)	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Silybum marianum</i>	H	NI	9.		
2. <i>Platanus racemosa</i>	T	FACW	10.		
3. <i>Quercus agrifolia</i>	T	NI	11.		
4. <i>Bromus diandrus</i>	H	NI	12.		
5. <i>Raphanus sativus</i>	H	NI	13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 20%

Remarks: Hydrophytic vegetation criteria not satisfied. Only one Sycamore tree present.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

[illegible]

## WETLAND DETERMINATION

WETLAND DETERMINATION				
Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Is this Sampling Point Within a Wetland?				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as an ACOE wetland or a County RPO wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.				

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>26 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 13, 10ft</u> Plot ID: <u>DP 75A, PP 75A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Silybum marianum</i>	H	NI	9.		
2. <i>Platanus racemosa</i>	T	FACW	10.		
3. <i>Quercus agrifolia</i>	T	NI	11.		
4. <i>Raphanus sativus</i>	H	NI	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 25%

Remarks: Hydrophytic vegetation criteria not satisfied.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

Map Unit Name (Series and Phase): Cieneba rocky coarse sandy loam		Drainage Class: <u>Excessively drained</u>	
Taxonomy (Subgroup): Typic Xerorthents		Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

**Profile Description:**

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-12	---	7.5YR 4/2	---	---	loam

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in surface layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

Remarks: No hydric soil indicators.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sampling Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks: Data point on edge of Coast Live Oak Riparian Forest canopy. This area does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>26 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>NNG</u> Transect ID: <u>T 13, 20ft</u> Plot ID: <u>DP 76A, PP 76A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Silybum marianum</i>	H	NI	9.		
2. <i>Raphanus sativus</i>	H	NI	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic vegetation present.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

Map Unit Name (Series and Phase): Cieneba rocky coarse sandy loam		Drainage Class: <u>Excessively drained</u>	
Taxonomy (Subgroup): Typic Xerorthents		Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

**Profile Description:**

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-14	---	7.5YR 3/2	---	---	Loam

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: No hydric soil indicators.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sampling Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks: Non-native Grassland vegetation dominated by Radish and Milk Thistle. This is a potential wetland mitigation area adjacent to Southern Coast Live Oak Riparian Forest habitat.

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>26 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 13, 30ft</u> Plot ID: <u>DP 77A, PP 77A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Silybum marianum</i>	H	NI	9.		
2. <i>Raphanus sativus</i>	H	NI	10.		
3. <i>Quercus agrifolia</i>	T	NI	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: Non-native Grassland vegetation under oak canopy. No hydrophytic vegetation present.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

[illegible]

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Is this Sampling Point Within a Wetland?					Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.								

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>26 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 13, 40ft</u> Plot ID: <u>DP 78A, PP 78A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Silybum marianum</i>	H	NI	9.		
2. <i>Raphanus sativus</i>	H	NI	10.		
3. <i>Quercus agrifolia</i>	T	NI	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: Non-native Grassland vegetation under oak canopy. No hydrophytic vegetation present.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	



## SOILS

Map Unit Name (Series and Phase): Cieneba rocky coarse sandy loam				Drainage Class: <u>Excessively drained</u>	
Taxonomy (Subgroup): Typic Xerorthents				Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>Profile Description:</b>					
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-13	---	7.5YR 3/2	---	---	Loam
13-16	---	10YR 4/3	---	---	Loam

Hydric Soil Indicators:

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: No hydric soil indicators.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sampling Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.	

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>26 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 13, 50ft</u> Plot ID: <u>DP 79A, PP 79A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Silybum marianum</i>	H	NI	9.		
2. <i>Raphanus sativus</i>	H	NI	10.		
3. <i>Quercus agrifolia</i>	T	NI	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: Non-native Grassland vegetation under oak canopy. No hydrophytic vegetation present.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

Map Unit Name (Series and Phase): Cieneba rocky coarse sandy loam				Drainage Class: <u>Excessively drained</u>	
Taxonomy (Subgroup): Typic Xerorthents				Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>Profile Description:</b>					
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-13	---	7.5YR 3/2	---	---	Loam
13-16	---	10YR 4/3	---	---	Loam

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: No hydric soil indicators.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<div style="border: 1px solid black; height: 150px; margin-bottom: 10px;"></div>
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Is this Sampling Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.	

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>26 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 13, 60ft</u> Plot ID: <u>DP 80A, PP 80A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Silybum marianum</i>	H	NI	9.		
2. <i>Raphanus sativus</i>	H	NI	10.		
3. <i>Quercus agrifolia</i>	T	NI	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: Non-native Grassland vegetation under oak canopy. No hydrophytic vegetation present.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

[illegible]

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?		Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Wetland Hydrology Present?		Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Hydric Soils Present?		Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
						Is this Sampling Point Within a Wetland?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat. Remaining transect runs upslope through upland vegetation.										

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>26 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Community ID: <u>CLORF</u>
Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Transect ID: _____
Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Plot ID: <u>DP 81A, PP 81A</u>
(If needed, explain on reverse.)	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Malosma laurina</i>	S	NI	9.		
2. <i>Amsinckia intermedia</i>	H	NI	10.		
3. <i>Quercus agrifolia</i>	T	NI	11.		
4. <i>Bromus diandrus</i>	H	NI	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic vegetation present. Data point is near edge of Coast Live Oak Riparian Forest canopy.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

Map Unit Name (Series and Phase): Cieneba rocky coarse sandy loam		Drainage Class: <u>Excessively drained</u>	
Taxonomy (Subgroup): Typic Xerorthents		Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

**Profile Description:**

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-10	---	7.5YR 2.5/2	---	---	Loam
10	---	---	---	---	Rock

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: No hydric soil indicators. Data point located on a hill with many boulders present. Presence of rock in pit does not indicate RPO non-soil.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<p>Is this Sampling Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks: Southern Coast Live Oak Riparian Forest on slope near conference center development. Two additional pictures (PP 1 and 2) were taken in the vicinity showing upland habitat. Pictures were taken approximately 10 feet downslope looking upslope towards data point. Downslope vegetation consists of *Quercus agrifolia*, *Rhus ovata*, *Amsinckia intermedia*, *Rhamnus ilicifolia*, *Bromus sp.*, and *Cercocarpus minutiflorus*. This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u> Applicant/Owner: <u>Salvation Army</u> Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	Date: <u>26 December 2001</u> County: <u>San Diego</u> State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	Community ID: <u>CLORF</u> Transect ID: _____ Plot ID: <u>DP 82A, PP 82A</u>

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Rhus ovata</i>	S	NI	9.		
2. <i>Cercocarpus minutiflorus</i>	S	NI	10.		
3. <i>Quercus agrifolia</i> *	T	NI	11.		
4. <i>Lonicera subspicata</i>	V	NI	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic vegetation present. \*Most oaks in the area appear to be hybrids with *Quercus berberidifolia*.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>-----</u> (in.) Depth to free Water in Pit <u>-----</u> (in.) Depth of Saturated Soil: <u>-----</u> (in.)	

Remarks: No hydrology indicators. Data point located approximately 15 feet outside bank of drainage. Drainage may be located off-site, and since the area including the drainage is not in the proposed development area, a data point was not performed.

## SOILS

Map Unit Name (Series and Phase): Vista coarse sandy loam		Drainage Class: <u>Well drained</u>	
Taxonomy (Subgroup): Typic Xerochrepts		Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

**Profile Description:**

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-14	---	7.5YR 4/4	---	---	Loam

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: No hydric soil indicators.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<p>Is this Sampling Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>26 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: _____ Plot ID: <u>DP 83A, PP 83A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus berberidifolia</i> *	S	NI	9.		
2. <i>Cercocarpus minutiflorus</i>	S	NI	10.		
3. <i>Hazardia squarrosa</i>	S	NI	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic vegetation present.. Data point located at edge of Southern Coast Live Oak Riparian Forest canopy adjacent to chaparral vegetation. \*Oak is hybrid with *Quercus englemannii*.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>-----</u> (in.) Depth to free Water in Pit <u>-----</u> (in.) Depth of Saturated Soil: <u>-----</u> (in.)	
Remarks: No hydrology indicators.	



## SOILS

Map Unit Name (Series and Phase): Vista coarse sandy loam		Drainage Class: <u>Well drained</u>	
Taxonomy (Subgroup): Typic Xerochrepts		Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Profile Description:					
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-4	---	7.5YR 3/3	---	---	Loam
4-14	---	7.5YR 4/6	---	---	Loam

Hydric Soil Indicators:	
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in surface layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)

Remarks: No hydric soil indicators.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Is this Sampling Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>26 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 14, 0ft</u> Plot ID: <u>DP 84A, PP 84A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No vegetation in immediate area of data point, possibly due to road. Coast Live Oak overhanging data point.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

Map Unit Name (Series and Phase): Vista coarse sandy loam		Drainage Class: <u>Well drained</u>	
Taxonomy (Subgroup): Typic Xerochrepts		Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

**Profile Description:**

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-5	---	10YR 3/3	---	---	Sandy Loam

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: No hydric soil indicators. Could not dig deeper than 5 inches most likely due to soil compaction from road.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<p>Is this Sampling Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks: Data point immediately adjacent to main access road. Conditions may have changed due to road disturbance. However, the access road has been in place for a long while, and present conditions are considered to be "normal." This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>26 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 14, 5ft</u> Plot ID: <u>DP 85A, PP 85A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Quercus agrifolia</u>	<u>T</u>	<u>NI</u>	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No vegetation present in drainage. Coast Live Oak overhanging data point.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: Hydrology indicated by 1-foot wide drainage.	

## SOILS

Map Unit Name		Drainage Class: <u>Well drained</u>	
(Series and Phase): Vista coarse sandy loam		Field Observations	
Taxonomy (Subgroup): Typic Xerochrepts		Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

**Profile Description:**

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0	---	---	---	---	Cobble

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in surface layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
---	--

**Remarks:** Could not dig due to cobble. Cobble width is 1 foot within drainage. It is possible that sediment deposits between cobble satisfy hydric conditions; however, this cannot be determined. In this case, soils are considered to be a natural atypical situation, and the presence of hydric soils is assumed.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Wetland Hydrology Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>				
Hydric Soils Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>				
Is this Sampling Point Within a Wetland?					Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as an ACOE wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat. The drainage is considered to be Non-wetland Waters of the U.S. (ACOE) and is also jurisdictional under the County and CDFG.								

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>26 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 14, 10ft</u> Plot ID: <u>DP 86A, PP 86A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Rhamnus ilicifolia</i>	S	NI	10.		
3. <i>Lolium temulentum</i>	H	NI	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic vegetation present.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

Map Unit Name (Series and Phase): Vista coarse sandy loam		Drainage Class: <u>Well drained</u>	
Taxonomy (Subgroup): Typic Xerochrepts		Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Profile Description:					
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-12	---	10YR 4/4	---	---	Sandy Loam

Hydric Soil Indicators:	
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in surface layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)

Remarks: No hydric soil indicators.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Is this Sampling Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>26 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 15, 0ft</u> Plot ID: <u>DP 87A, PP 87A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic vegetation present. Data point is located immediately adjacent to the main access road. Conditions have possibly changed due to road disturbance.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

Map Unit Name		(Series and Phase): Vista coarse sandy loam		Drainage Class: <u>Well drained</u>																																																							
Taxonomy (Subgroup): Typic Xerochrepts		Field Observations		Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																							
<p><b>Profile Description:</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Depth (inches)</th> <th style="width: 10%;">Horizon</th> <th style="width: 15%;">Matrix Color (Munsell Moist)</th> <th style="width: 15%;">Mottle Colors (Munsell Moist)</th> <th style="width: 15%;">Mottle (Abundance/Contrast)</th> <th style="width: 35%;">Texture, Concretions, Structure, etc.</th> </tr> </thead> <tbody> <tr> <td>0-8</td> <td>---</td> <td>10YR 3/2</td> <td>---</td> <td>---</td> <td>Sandy Loam</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>						Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.	0-8	---	10YR 3/2	---	---	Sandy Loam																																										
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0-8	---	10YR 3/2	---	---	Sandy Loam																																																						
<p><b>Hydric Soil Indicators:</b></p> <table style="width: 100%;"> <tr> <td style="vertical-align: top; width: 50%;"> <input type="checkbox"/> Histosol  <input type="checkbox"/> Histic Epipedon  <input type="checkbox"/> Sulfidic Odor  <input type="checkbox"/> Aquic Moisture Regime  <input type="checkbox"/> Reducing Conditions  <input type="checkbox"/> Gleyed or Low-Chroma Colors         </td> <td style="vertical-align: top; width: 50%;"> <input type="checkbox"/> Concretions  <input type="checkbox"/> High Organic Content in surface layer in Sandy Soils  <input type="checkbox"/> Organic Streaking in Sandy Soils  <input type="checkbox"/> Listed on Local Hydric Soils List  <input type="checkbox"/> Listed on National Hydric Soils List  <input type="checkbox"/> Other (Explain in Remarks)         </td> </tr> </table>						<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in surface layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)																																																				
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<p>Remarks: Could not dig deeper than 8 inches. Possibly compacted soils from construction of road.</p>																																																											

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
					Is this Sampling Point Within a Wetland?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: Data point immediately adjacent to main access road. Conditions may have changed due to road disturbance. However, the access road has been in place for a long while, and present conditions are considered to be "normal." This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.									

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>26 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Community ID: <u>CLORF</u>
Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Transect ID: <u>T 15, 11ft</u>
Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Plot ID: <u>DP 88A, PP 88A</u>
(If needed, explain on reverse.)	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic vegetation present. Data point performed at 11 feet instead of 10 feet due to the location of a tree stump.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

[illegible]

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Is this Sampling Point Within a Wetland?					Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.								

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>26 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 15, 17ft</u> Plot ID: <u>DP 89A, PP 89A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Rhamnus ilicifolia</i>	S	NI	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic vegetation present.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: Hydrology indicated by 1-foot wide drainage. Data point located at 17 feet in order to sample drainage.	

## SOILS

Map Unit Name (Series and Phase): Vista coarse sandy loam		Drainage Class: <u>Well drained</u>																																																							
Taxonomy (Subgroup): Typic Xerochrepts		Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																							
<b>Profile Description:</b> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 10%;">Depth (inches)</th> <th style="width: 10%;">Horizon</th> <th style="width: 15%;">Matrix Color (Munsell Moist)</th> <th style="width: 15%;">Mottle Colors (Munsell Moist)</th> <th style="width: 15%;">Mottle (Abundance/Contrast)</th> <th style="width: 35%;">Texture, Concretions, Structure, etc.</th> </tr> </thead> <tbody> <tr> <td>0-3</td> <td>---</td> <td>---</td> <td>---</td> <td>---</td> <td>Sand</td> </tr> <tr> <td>3-8</td> <td>---</td> <td>10YR 3/2</td> <td>---</td> <td>---</td> <td>Sandy Loam</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>				Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.	0-3	---	---	---	---	Sand	3-8	---	10YR 3/2	---	---	Sandy Loam																																				
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<b>Hydric Soil Indicators:</b> <table style="width: 100%; margin-top: 10px;"> <tr> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> Histosol  <input type="checkbox"/> Histic Epipedon  <input type="checkbox"/> Sulfidic Odor  <input type="checkbox"/> Aquic Moisture Regime  <input type="checkbox"/> Reducing Conditions  <input type="checkbox"/> Gleyed or Low-Chroma Colors         </td> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> Concretions  <input type="checkbox"/> High Organic Content in surface layer in Sandy Soils  <input type="checkbox"/> Organic Streaking in Sandy Soils  <input type="checkbox"/> Listed on Local Hydric Soils List  <input type="checkbox"/> Listed on National Hydric Soils List  <input type="checkbox"/> Other (Explain in Remarks)         </td> </tr> </table>				<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in surface layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)																																																				
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Remarks: No hydric soil indicators.																																																									

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Wetland Hydrology Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>				
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Is this Sampling Point Within a Wetland?					Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as an ACOE wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat. The drainage is considered to be Non-wetland Waters of the U.S. (ACOE) and is also jurisdictional under the County and CDFG.								

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>26 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 15, 20ft</u> Plot ID: <u>DP 90A, PP 90A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Rhamnus ilicifolia</i>	S	NI	10.		
3. <i>Toxicodendrum diversilobum</i>	S	NI	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic vegetation present.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

<b>Map Unit Name</b>		<b>(Series and Phase):</b> Vista coarse sandy loam	<b>Drainage Class:</b> Well drained		
		<b>Taxonomy (Subgroup):</b> Typic Xerochrepts	<b>Field Observations</b>		
		<b>Confirm Mapped Type?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
<b>Profile Description:</b>					
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-10	---	10YR 4/4	---	---	Sandy Loam

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

**Remarks:** No hydric soil indicators.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Wetland Hydrology Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Hydric Soils Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Is this Sampling Point Within a Wetland?					Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.								

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>26 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 16, 0ft</u> Plot ID: <u>DP 91A, PP 91A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No vegetation present. Coast Live Oak overhanging data point.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>-----</u> (in.) Depth to free Water in Pit <u>-----</u> (in.) Depth of Saturated Soil: <u>-----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

Map Unit Name (Series and Phase): Cieneba rocky coarse sandy loam				Drainage Class: <u>Excessively drained</u>	
Taxonomy (Subgroup): Typic Xerorthents				Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>Profile Description:</b>					
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-4	---	10YR 6/6	---	---	Sandy Loam
4-8	---	10YR 3/3	---	---	Sandy Loam

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: No hydric soil indicators.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sampling Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.	

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>26 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 16, 10ft</u> Plot ID: <u>DP 92A, PP 92A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Bromus diandrus</i>	H	NI	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic vegetation present.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: Hydrology indicated by 1.5-foot wide drainage (measured at approximate ordinary high water mark). Streambed width is 2 feet (measured from bank to bank).	

## SOILS

Map Unit Name (Series and Phase): Cieneba rocky coarse sandy loam		Drainage Class: <u>Excessively drained</u>	
Taxonomy (Subgroup): Typic Xerorthents		Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

**Profile Description:**

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0	---	---	---	---	Cobble

**Hydric Soil Indicators:**

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in surface layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)

Remarks: Width of cobble is 1.5 feet within drainage. It is possible that sediment deposits between cobble satisfy hydric conditions; however, this cannot be determined. In this case, soils are considered to be a natural atypical situation, and the presence of hydric soils is assumed.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sampling Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Hydric Soils Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as an ACOE wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat. The drainage is considered to be Non-wetland Waters of the U.S. (ACOE) and is also jurisdictional under the County and CDFG.

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>26 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 16, 20ft</u> Plot ID: <u>DP 93A, PP 93A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Toxicodendron diversilobum</i>	H	NI	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic vegetation present.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

Map Unit Name

(Series and Phase): Cieneba rocky coarse sandy loam

Drainage Class: Excessively drained

Field Observations

Taxonomy (Subgroup): Typic Xerorthents

Confirm Mapped Type? ☒ Yes ☐ No

### Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0	---	---	---	---	Rocks

### Hydric Soil Indicators:

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content in surface layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                     |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                    |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List                 |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                           |

Remarks: Could not dig due to presence of large rocks. This data point is located upslope from the drainage, and the rocks are not considered an RPO non-soil that would qualify the area as a County RPO wetland.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sampling Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>26 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 17, 0ft</u> Plot ID: <u>DP 94A, PP 94A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No vegetation present at data point. Coast Live Oak tree overhanging data point.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

Map Unit Name

(Series and Phase): Cieneba rocky coarse  
sandy loam

Drainage Class: Excessively drained

Field Observations

Taxonomy (Subgroup): Typic Xerorthents

Confirm Mapped Type? ☒ Yes ☐ No

### Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-14	---	10YR 4/4	---	---	Sandy Loam

### Hydric Soil Indicators:

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content in surface layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                     |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                    |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List                 |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                           |

Remarks: No hydric soil indicators.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is this Sampling Point Within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Hydric Soils Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks: Data point located at edge of main access road. This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.

Approved by HQUSACE 3/92



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>26 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 17, 10ft</u> Plot ID: <u>DP 95A, PP 95A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Juncus dubius</i>	H	FACW	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 50%

Remarks: Hydrophytic vegetation criteria not satisfied.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: Hydrology indicated by 2-foot wide drainage (measured at approximate ordinary high water mark). Streambed width is 3 feet (measured from bank to bank).	

## SOILS

[illegible]

## WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>					
Wetland Hydrology Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>					
Hydric Soils Present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>					
					Is this Sampling Point Within a Wetland?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as an ACOE wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat. The drainage is considered to be Non-wetland Waters of the U.S. (ACOE) and is also jurisdictional under the County and CDFG.									

Approved by HQUSACE 3/92

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Salvation Army</u>	Date: <u>26 December 2001</u>
Applicant/Owner: <u>Salvation Army</u>	County: <u>San Diego</u>
Investigator: <u>Vanessa A. Lee and Kara A. Altvater</u>	State: <u>California</u>
Do normal circumstances exist on the site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse.)	
Community ID: <u>CLORF</u> Transect ID: <u>T 17, 15ft</u> Plot ID: <u>DP 96A, PP 96A</u>	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus agrifolia</i>	T	NI	9.		
2. <i>Toxicodendrum diversilobum</i>	H	NI	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic vegetation present. Data point taken at 15-foot mark rather than the 20-foot mark due to high abundance of Poison Oak beyond 15-foot mark.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Described in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	<b>Wetland Hydrology Indicators:</b> <b>Primary Indicators:</b> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <b>Secondary Indicators (2 or more required):</b> <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
<b>Field Observations:</b> Depth of Surface Water: <u>----</u> (in.) Depth to free Water in Pit <u>----</u> (in.) Depth of Saturated Soil: <u>----</u> (in.)	
Remarks: No hydrology indicators.	

## SOILS

Map Unit Name

(Series and Phase): Cieneba rocky coarse  
sandy loam

Drainage Class: Excessively drained

Field Observations

Taxonomy (Subgroup): Typic Xerorthents

Confirm Mapped Type? ☒ Yes ☐ No

### Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-12	---	10YR 3/2	---	---	Sandy Loam

### Hydric Soil Indicators:

- |  |   |
|--|---|
| <input type="checkbox"/> Histosol                    | <input type="checkbox"/> Concretions  |
| <input type="checkbox"/> Histic Epipedon             | <input type="checkbox"/> High Organic Content in surface layer in Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor               | <input type="checkbox"/> Organic Streaking in Sandy Soils                     |
| <input type="checkbox"/> Aquic Moisture Regime       | <input type="checkbox"/> Listed on Local Hydric Soils List                    |
| <input type="checkbox"/> Reducing Conditions         | <input type="checkbox"/> Listed on National Hydric Soils List                 |
| <input type="checkbox"/> Gleyed or Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks)                           |

Remarks: No hydric soil indicators.

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes ☐ No ☒

Wetland Hydrology Present? Yes ☐ No ☒

Hydric Soils Present? Yes ☐ No ☒

Is this Sampling Point Within a Wetland? Yes ☐ No ☒

Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.

Approved by HQUSACE 3/92

## **Appendix 13**

### **Intensified Wetland Delineation Photos**



Photo Point 1A. Data Point 1A

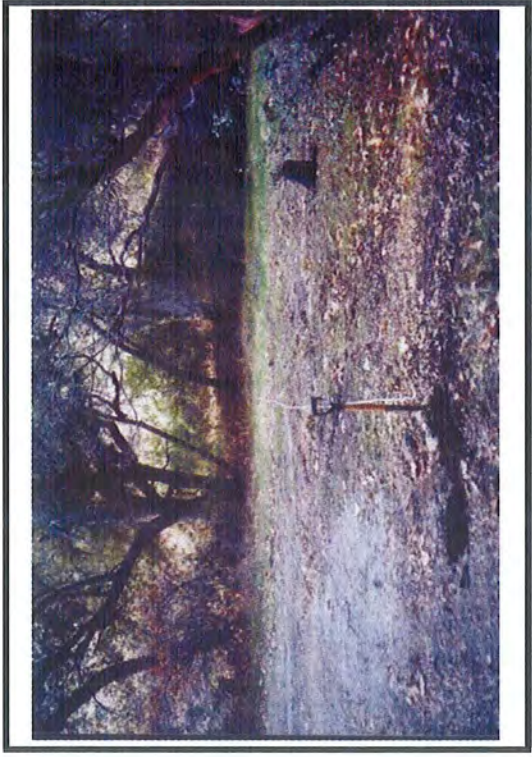


Photo Point 2A. Data Point 2A, Transect 1



Photo Point 3A. Data Point 3A, Transect 1

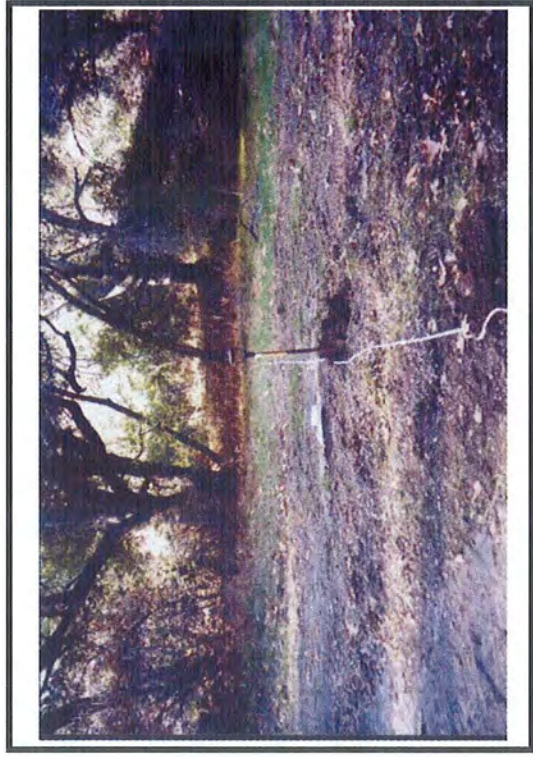


Photo Point 4A. Data Point 4A, Transect 1





Photo Point 5A. Data Point 5A, Transect 1



Photo Point 6A. Data Point 6A, Transect 1



Photo Point 7A. Data Point 7A, Transect 1

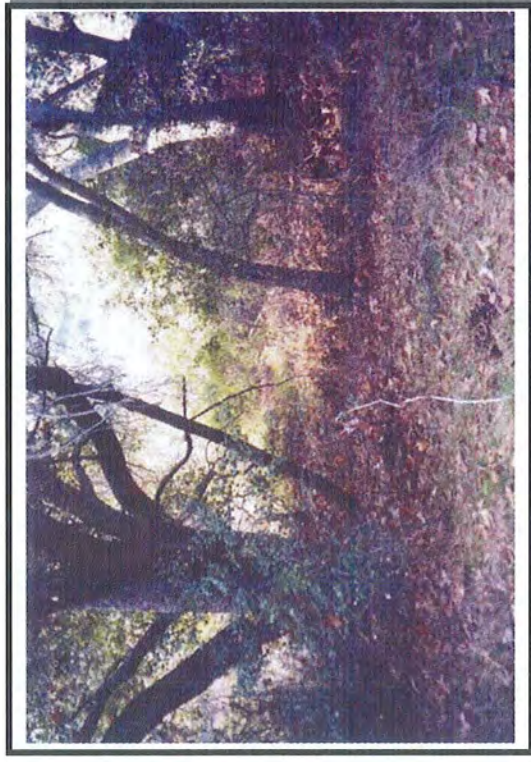


Photo Point 8A. Data Point 8A, Transect 1





Photo Point 9A. Data Point 9A, Transect 1



Photo Point 10A. Data Point 10A, Transect 1



Photo Point 11A. Data Point 11A, Transect 1



Photo Point 12A. Data Point 12A, Transect 1





Photo Point 13A. Data Point 13A, Transect 2

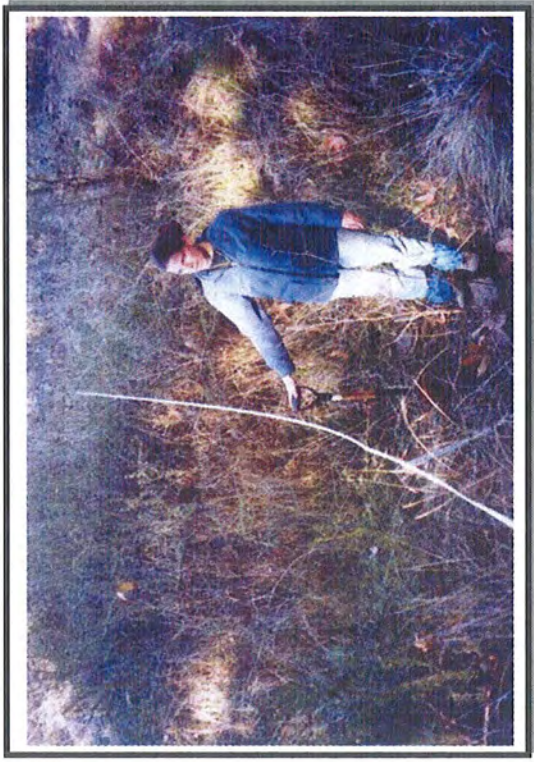


Photo Point 14A. Data Point 14A, Transect 2



Photo Point 15A. Data Point 15A, Transect 2

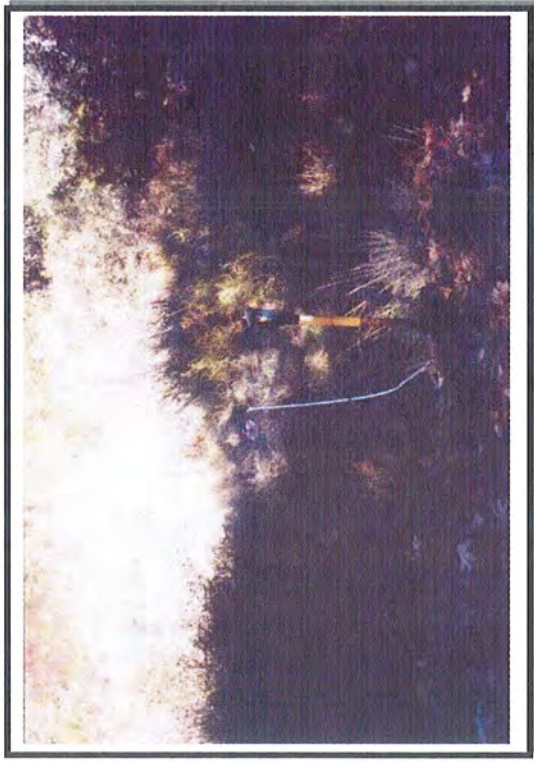


Photo Point 16A. Data Point 16A, Transect 3





Photo Point 17A. Data Point 17A, Transect 3



Photo Point 18A. Data Point 18A, Transect 3



Photo Point 19A. Data Point 19A, Transect 4



Photo Point 20A. Data Point 20A, Transect 4





Photo Point 21A. Data Point 21A, Transect 4



Photo Point 22A. Data Point 22A, Transect 5

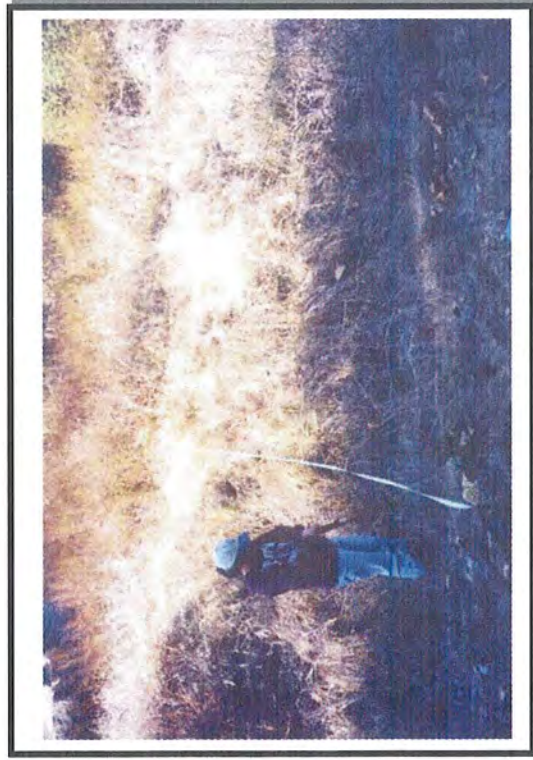


Photo Point 23A. Data Point 23A, Transect 5



Photo Point 24A. Data Point 24A, Transect 5





Photo Point 25A. Data Point 25A, Transect 6



Photo Point 26A. Data Point 26A, Transect 6



Photo Point 27A. Data Point 27A, Transect 6

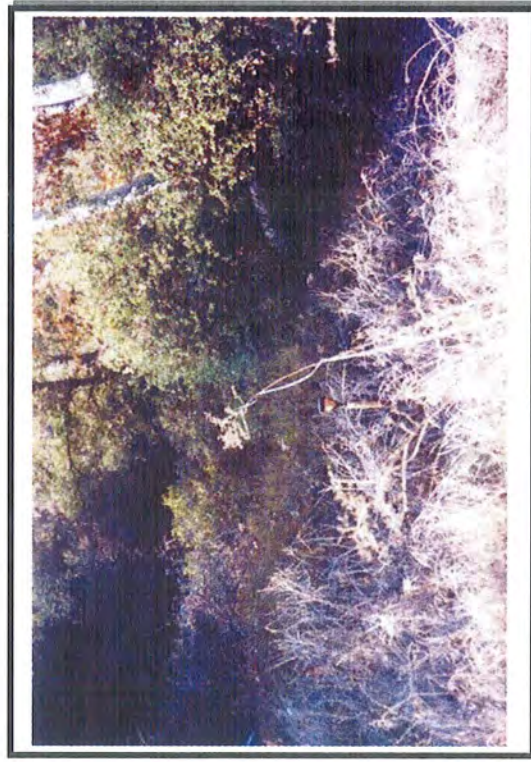


Photo Point 28A. Data Point 28A, Transect 6





Photo Point 29A. Data Point 29A, Transect 6



Photo Point 30A. Data Point 30A, Transect 6

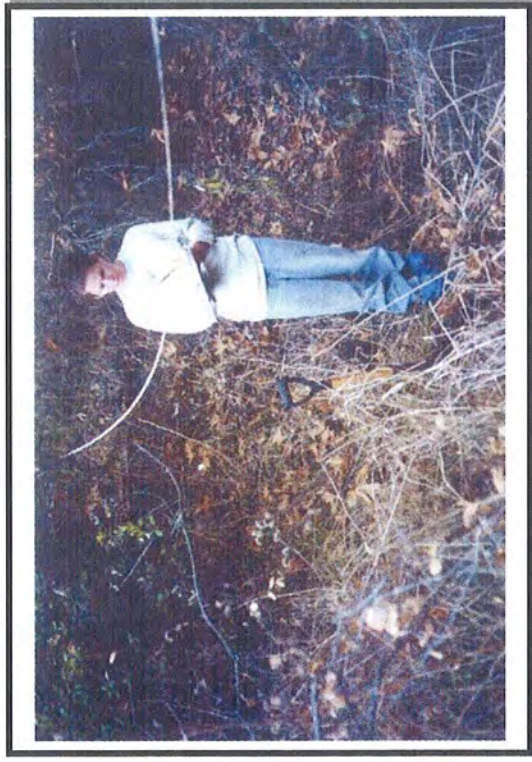


Photo Point 31A. Data Point 31A, Transect 6



Photo Point 32A. Data Point 32A, Transect 6





Photo Point 33A. Data Point 33A



Photo Point 34A. Data Point 34A



Photo Point 35A. Data Point 35A, Transect 7

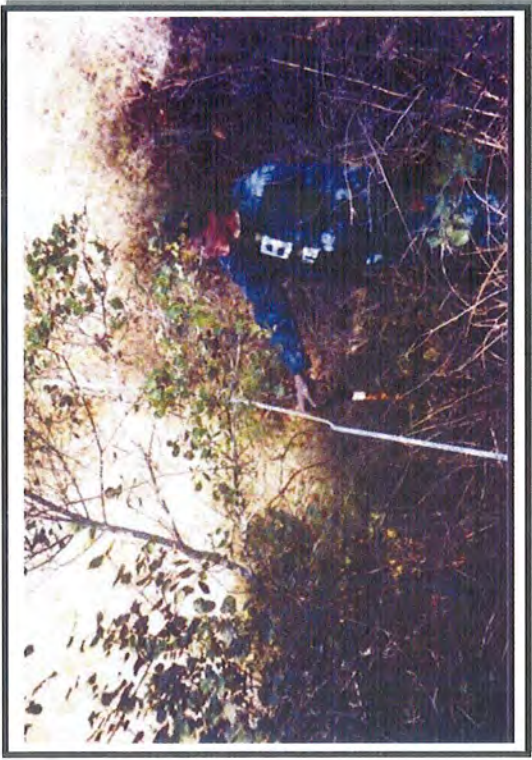


Photo Point 36A. Data Point 36A, Transect 7





Photo Point 37A. Data Point 37A, Transect 7



Photo Point 38A. Data Point 38A, Transect 8

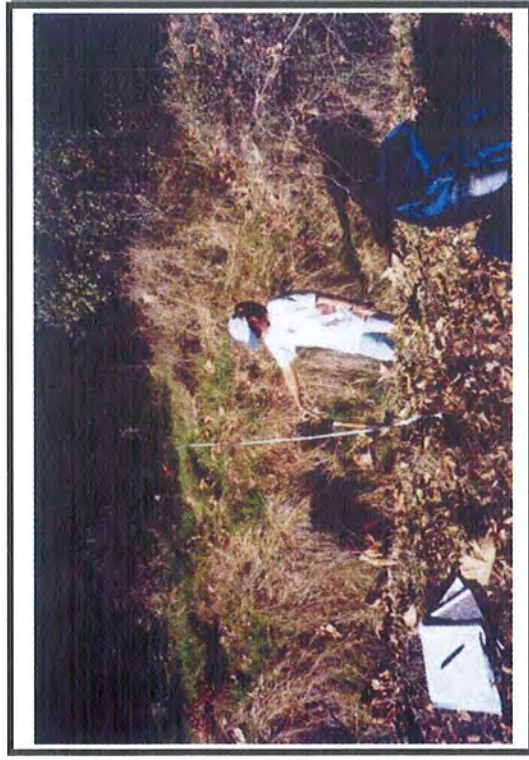


Photo Point 39A. Data Point 39A, Transect 8



Photo Point 40A. Data Point 40A, Transect 8





Photo Point 41A. Data Point 41A, Transect 8

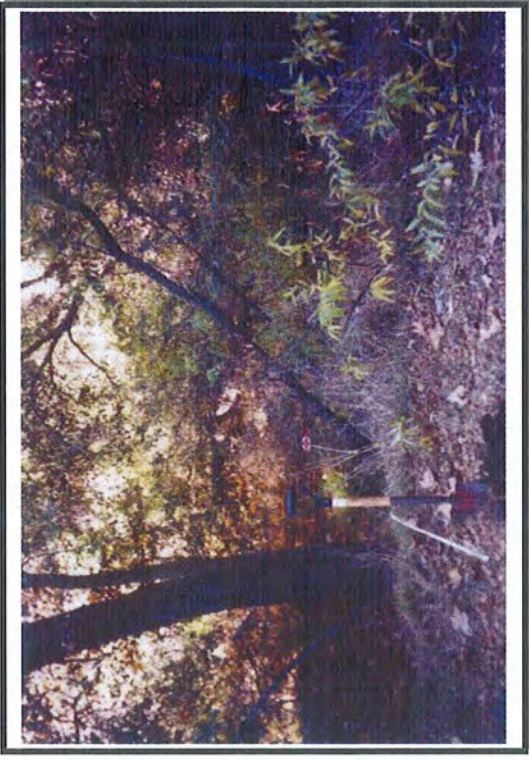


Photo Point 42A. Data Point 42A, Transect 9



Photo Point 43A. Data Point 43A, Transect 9

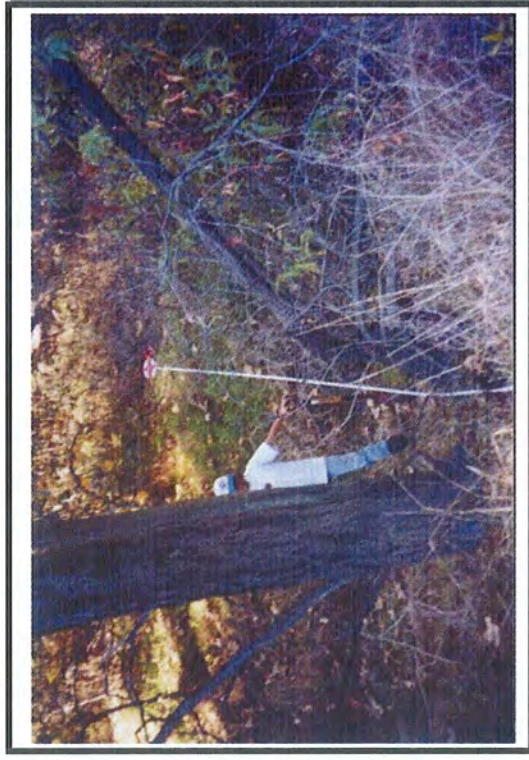


Photo Point 44A. Data Point 44A, Transect 9



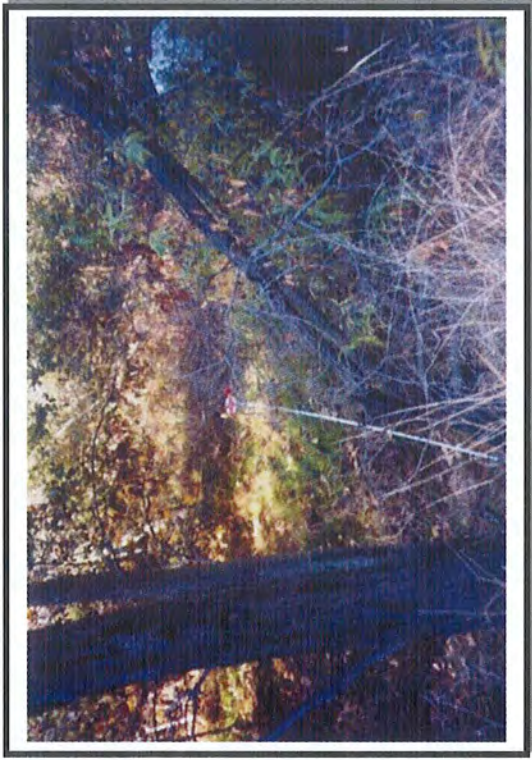


Photo Point 45A, Data Point 45A, Transect 9

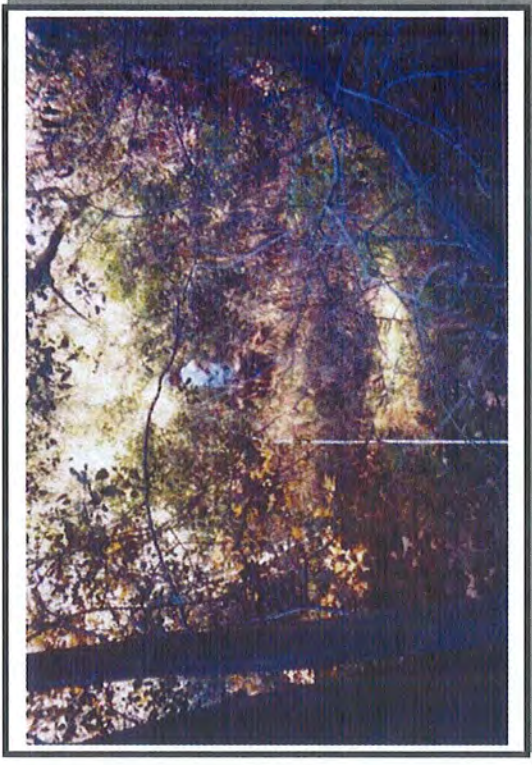


Photo Point 46A, Data Point 46A, Transect 9



Photo Point 47A, Data Point 47A, Transect 9



Photo Point 48A, Data Point 48A, Transect 10





Photo Point 49A. Data Point 49A, Transect 10



Photo Point 50A. Data Point 50A, Transect 10

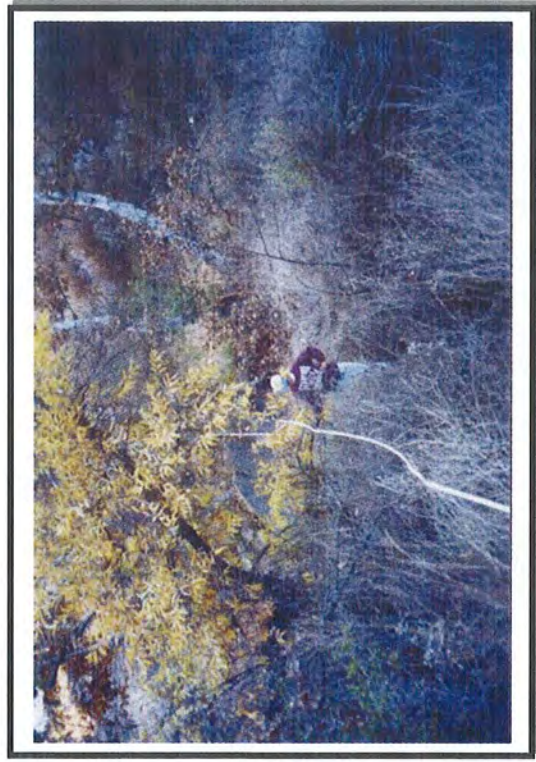


Photo Point 51A. Data Point 51A, Transect 10



Photo Point 52A. Data Point 52A, Transect 10



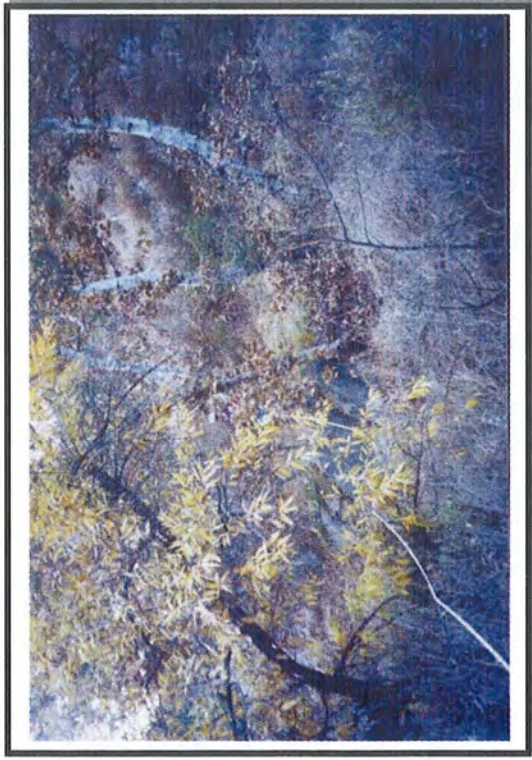


Photo Point 53A. Data Point 53A, Transect 10

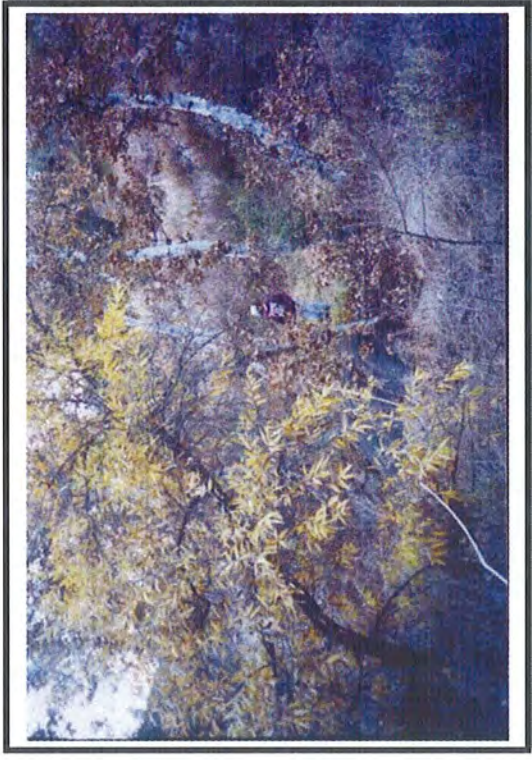


Photo Point 54A. Data Point 54A, Transect 10



Photo Point 55A. Data Point 55A, Transect 10



Photo Point 56A. Data Point 56A, Transect 11





Photo Point 57A. Data Point 57A, Transect 11



Photo Point 58A. Data Point 58A, Transect 11



Photo Point 59A. Data Point 59A, Transect 11



Photo Point 60A. Data Point 60A, Transect 11





Photo Point 61A. Data Point 61A, Transect 11



Photo Point 62A. Data Point 62A, Transect 11

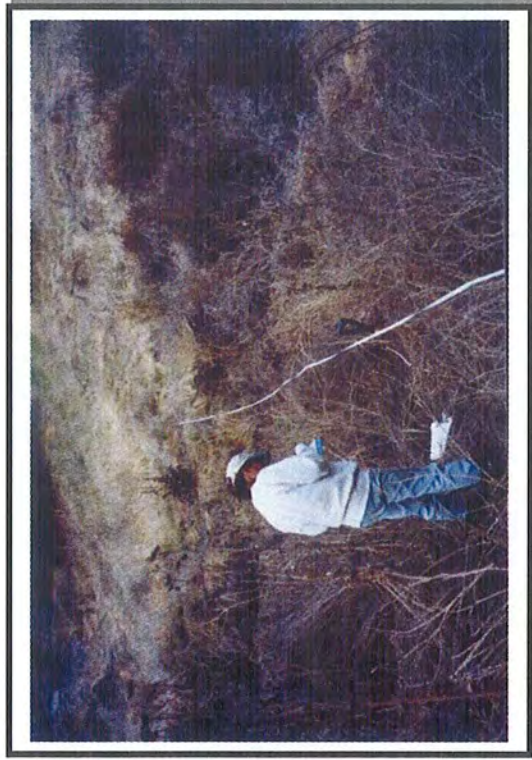


Photo Point 63A. Data Point 63A, Transect 11



Photo Point 64A. Data Point 64A, Transect 11 (film was partially exposed)

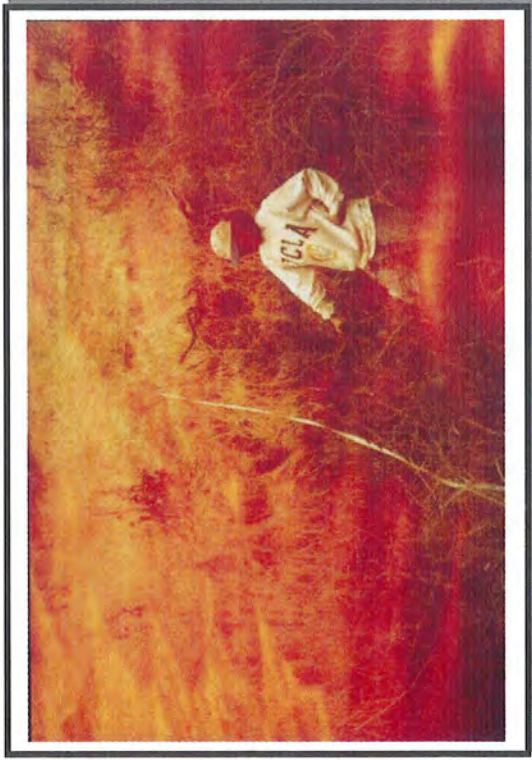


Photo Point 65A. Data Point 65A, Transect 11 (film was partially exposed)



Photo Point 66A. Data Point 66A, Transect 11 (film was exposed)

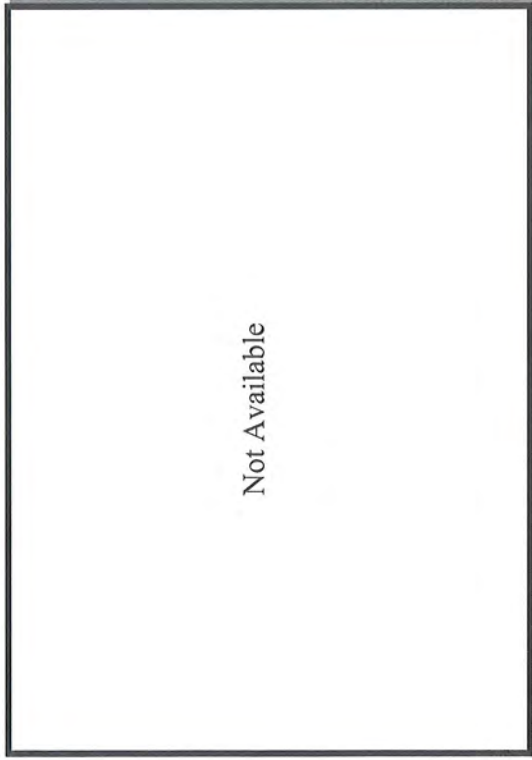


Photo Point 67A. Data Point 67A (film was exposed)



Photo Point 68A. Data Point 68A (film was exposed)





Photo Point 69A. Data Point 69A, Transect 12



Photo Point 70A. Data Point 70A, Transect 12 (film was partially exposed)



Photo Point 71A. Data Point 71A, Transect 12 (film was partially exposed)



Photo Point 72A. Data Point 72A, Transect 12





Photo Point 73A. Data Point 73A, Transect 12

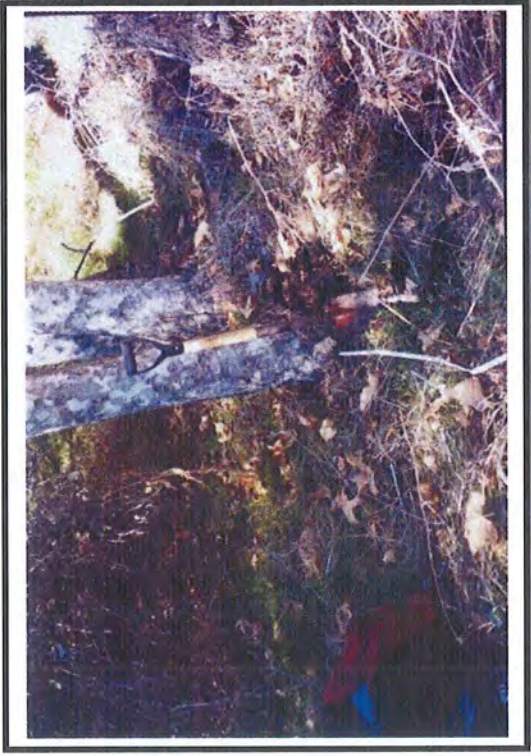


Photo Point 74A. Data Point 74A, Transect 13

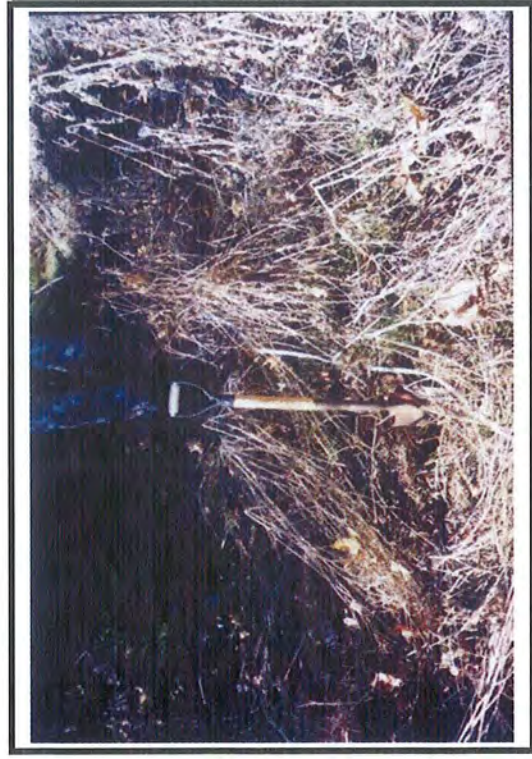


Photo Point 75A. Data Point 75A, Transect 13



Photo Point 76A. Data Point 76A, Transect 13





Photo Point 77A. Data Point 77A, Transect 13



Photo Point 78A. Data Point 78A, Transect 13



Photo Point 79A. Data Point 79A, Transect 13



Photo Point 80A. Data Point 80A, Transect 13





Photo Point 81A. Data Point 81A



Photo Point 82A. Data Point 82A



Photo Point 83A. Data Point 83A



Photo Point 84A. Data Point 84A, Transect 14





Photo Point 85A. Data Point 85A, Transect 14

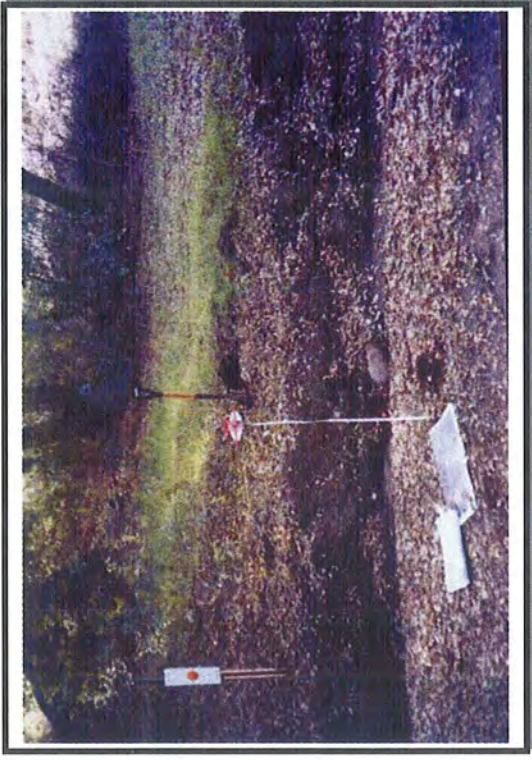


Photo Point 86A. Data Point 86A, Transect 14



Photo Point 87A. Data Point 87A, Transect 15

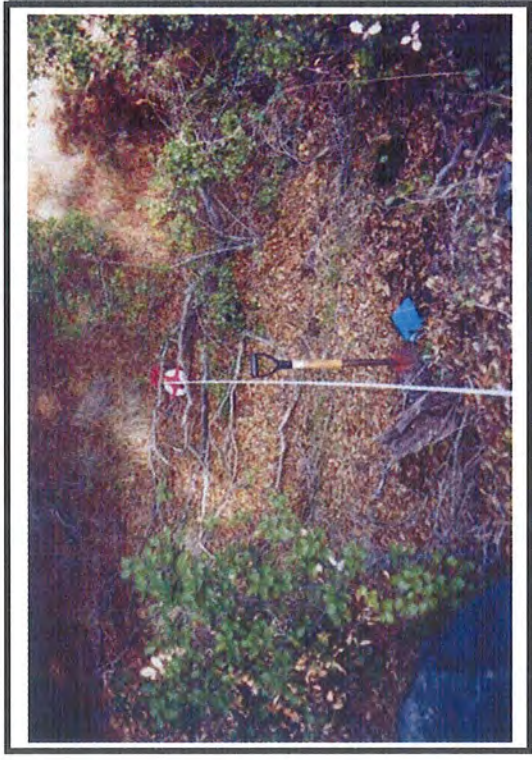


Photo Point 88A. Data Point 88A, Transect 15



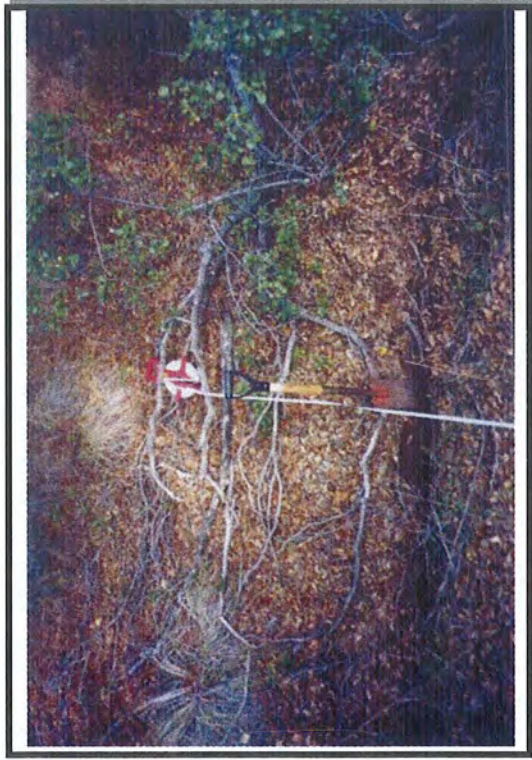


Photo Point 89A. Data Point 89A, Transect 15



Photo Point 90A. Data Point 90A, Transect 15

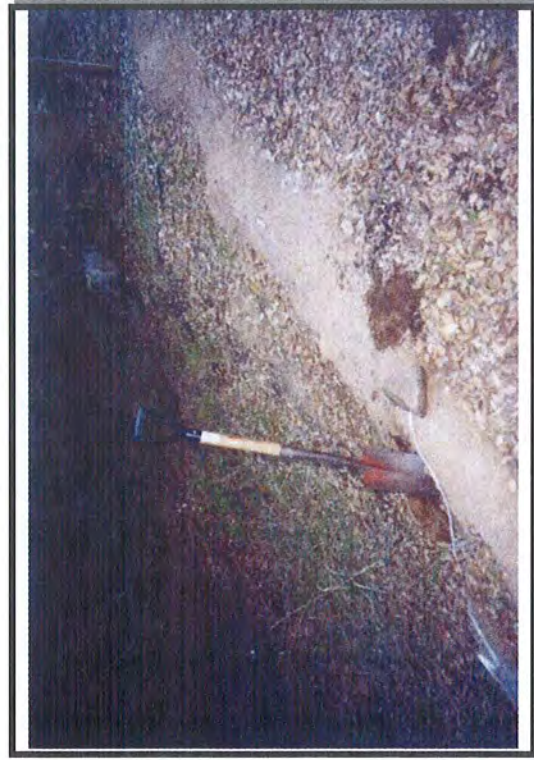


Photo Point 91A. Data Point 91A, Transect 16

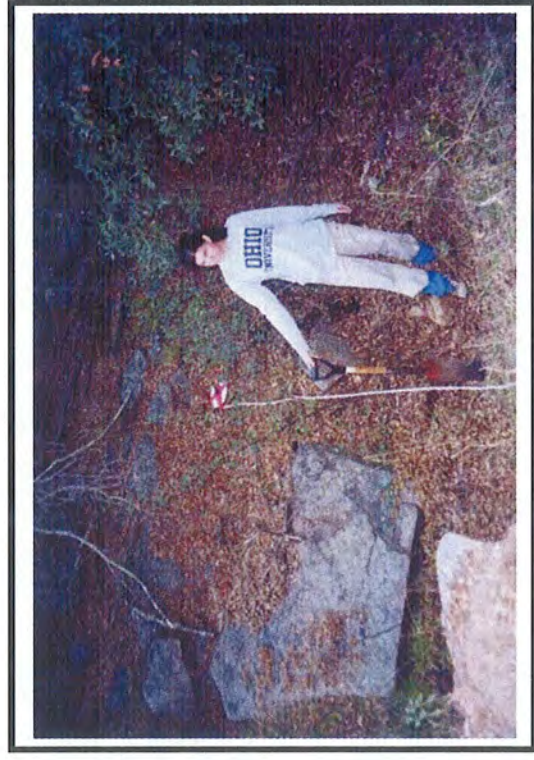


Photo Point 92A. Data Point 92A, Transect 16





Photo Point 93A. Data Point 93A, Transect 16

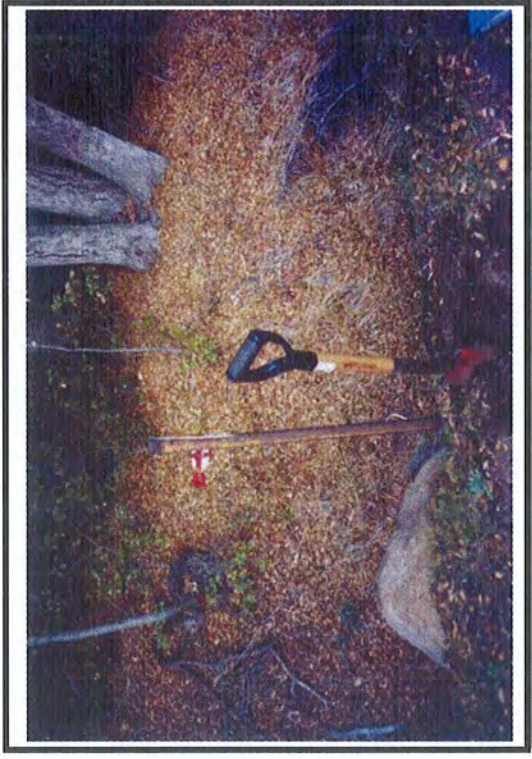


Photo Point 94A. Data Point 94A, Transect 17



Photo Point 95A. Data Point 95A, Transect 17

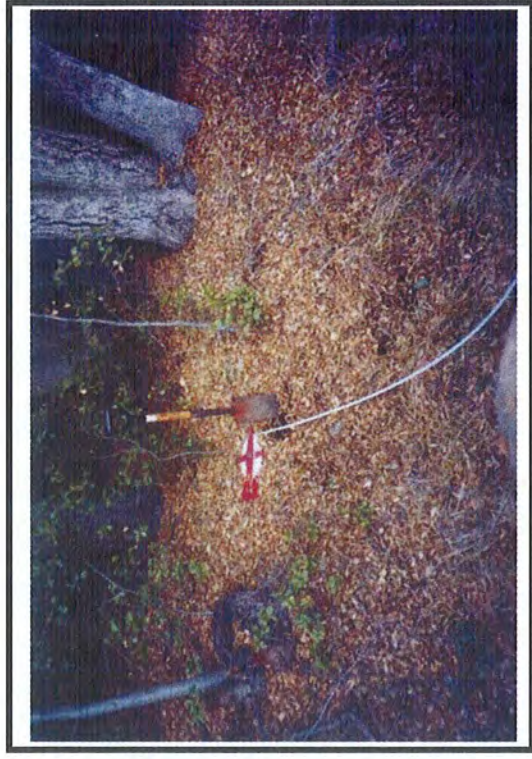


Photo Point 96A. Data Point 96A, Transect 17





Photo Point 97A. View of upland vegetation near Data Point 81A.

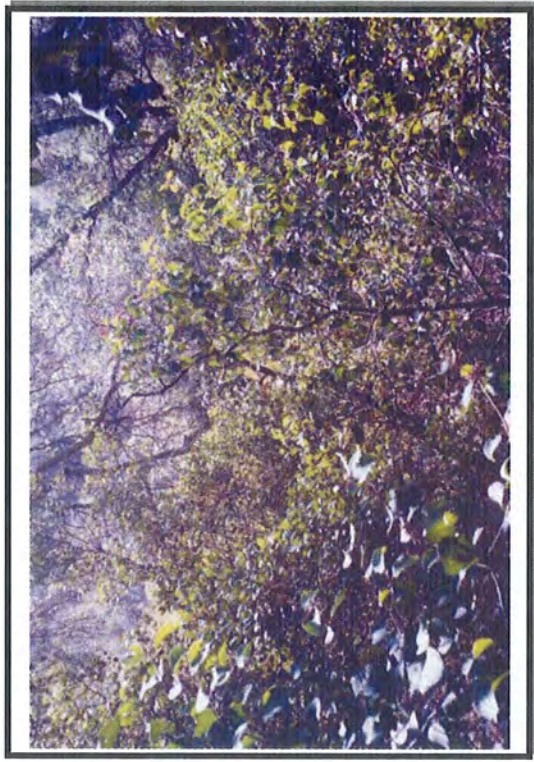


Photo Point 98A. View of upland vegetation near Data Point 81A.